Set	Items	Description
S1	1402176	DIVID? OR DISAGGREGATE OR SEPARAT??? OR BREAKDOWN OR BREAK-()DOWN OR BREAKING()DOWN OR BROKEN()DOWN
S2	2525	(PRODUCT? OR RELEASE? OR COMPONENT OR SUPPLY)(1N)SCHEDULE? OR MRP OR MATERIAL()REQUIREMENT?()PLANNING
S3	1701493	LEVEL? OR STAGE? ? OR CYCLE? ? OR PART? ? OR PIECE? ? OR C-OMPONENT? ?
S4	1312864	SORT??? OR ORDER??? OR RANK????
S5	900104	PRIORIT? OR IMPORTANCE OR URGENCY OR PRECED?
S6	246	S1(S)S2
S7	123	S6(S)S3
S8	45	S7(S)S4
S9	20	S8(S)S5
S10	17	S9 AND IC=G06F-017/60
S11	15	S9 AND IC=G06F?

Scanned Titles & abstract

File 348:EUROPEAN PATENTS 1978-2005/Aug W03
        (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20050825,UT=20050818
        (c) 2005 WIPO/Univentio

11/3,K/1   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00784185   **Image available**
**A SYSTEM AND METHOD FOR STREAM-BASED COMMUNICATION IN A COMMUNICATION
    SERVICES PATTERNS ENVIRONMENT**
**SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION FOURNISSANT UN SYSTEME DE
    COMMUNICATION EN CONTINU DANS UN ENVIRONNEMENT DE CONFIGURATIONS DE
    SERVICES DE COMMUNICATION**
Patent Applicant/Assignee:
  ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
    (Residence), US (Nationality)
Inventor(s):
  BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
    , US,
Legal Representative:
  HICKMAN Paul L (agent), Hickman Coleman & Hughes, LLP, P.O. Box 52037,
    Palo Alto, CA 94303-0746, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200117195 A2-A3 20010308 (WO 0117195)
  Application: WO 2000US24125 20000831 (PCT/WO US0024125)
  Priority Application: US 99386717 19990831
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
  ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
  LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
  TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 150532

International Patent Class: **G06F-017/22 ...**
Fulltext Availability:
  Detailed Description

Detailed Description
... of reports requested by users on demand. Typically, these reports will
  not have a set **schedule** or frequency for distribution. The report
  architecture must support distribution of these reports without the...

...set up and conversion).

  232
  . Scheduled Reports: The report architecture must support distribution of
  regularly **scheduled** reports. Typically, these reports will have a set
  schedule and frequency for distribution. The report...system to be
  developed. This section is intended to serve as a reminder of the
  importance of consciously designing a structure for Business Logic which
  helps to isolate the impacts of...

11/3,K/2   (Item 2 from file: 349)

00784143
**SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR LOAD BALANCING REQUESTS AMONG
SERVERS**
**SYSTEME, PROCEDE ET ARTICLE POUR EQUILIBREUR DE CHARGE DANS UN
ENVIRONNEMENT DE STRUCTURES DE SERVICES**
Patent Applicant/Assignee:
  ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
    (Residence), US (Nationality)
Inventor(s):
  BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
    , US,
Legal Representative:
  HICKMAN Paul L (agent), Hickman Coleman & Hughes, LLP, P.O. Box 52037,
    Palo Alto, CA 94303-0746, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200116739 A2-A3 20010308 (WO 0116739)
  Application: WO 2000US24236 20000831 (PCT/WO US0024236)
  Priority Application: US 99387576 19990831
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
  ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
  LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
  TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 150248

Main International Patent Class: **G06F-009/50**
International Patent Class: **G06F-009/46**
Fulltext Availability:
  Detailed Description

Detailed Description
... set up and conversion).

  4. Scheduled Reports: The report architecture must support distribution
  of regularly **scheduled** reports. Typically, these reports will have a
  set schedule and frequency for distribution. The report...system to be
  developed. This section is intended to serve as a reminder of the
  importance of consciously designing a structure for Business Logic which
  helps to isolate the impacts of...

 11/3,K/3   (Item 3 from file: 349)

00784140
**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A GLOBALLY ADDRESSABLE
INTERFACE IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT**

SYSTEME, PROCEDE ET ARTICLE DE FABRICATION S'APPLIQUANT DANS UN
ENVIRONNEMENT DE STRUCTURE DE SERVICES DE COMMUNICATIONS VIA UNE
INTERFACE ADRESSABLE GLOBALEMENT
Patent Applicant/Assignee:
  ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
    (Residence), US (Nationality)
Inventor(s):
  BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
    , US,
Legal Representative:
  HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill
    Road, Palo Alto, CA 94304, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200116735 A2-A3 20010308 (WO 0116735)
  Application: WO 2000US24198 20000831 (PCT/WO US0024198)
  Priority Application: US 99387214 19990831
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK DZ EE ES FI GB
  GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
  MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN
  YU ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 150371

Main International Patent Class: **G06F-009/46**
Fulltext Availability:
  Detailed Description

Detailed Description
... communicate with a client via a component integration
  architecture;
  Figure 80 shows how a Legacy **Component** is integrated into a
  component-based model; Figure 81 illustrates Legacy Wrapper Components of
  a...system to be developed. This section is intended to serve as a
  reminder of the **importance** of consciously designing a structure for
  Business Logic which helps to isolate the impacts of...

  11/3,K/4   (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00784137
SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR DISTRIBUTED GARBAGE
  COLLECTION IN ENVIRONMENT SERVICES PATTERNS
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION EN MATIERE DE RECUPERATION
  D'ESPACE REPARTI DANS DES MOTIFS DE SERVICES D'ENVIRONNEMENT
Patent Applicant/Assignee:
  ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
    (Residence), US (Nationality)
Inventor(s):
  BOWMAN-AMUAH Michel K, 6416 Peak Vista Circle, Colorado Springs, CO 80918

, US,
Legal Representative:
  HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill
    Road, Palo Alto, CA 94304, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200116729 A2-A3 20010308 (WO 0116729)
  Application: WO 2000US24238 20000831 (PCT/WO US0024238)
  Priority Application: US 99386435 19990831
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
  ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
  LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
  TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 150959

Main International Patent Class: **G06F-009/44**
International Patent Class: **G06F-009/46**
Fulltext Availability:
  Detailed Description

Detailed Description
...   architecture must support distribution of regularly scheduled
    reports. Typically, these reports will have a set **schedule** and
    frequency for distribution. The report distribution package must support
    distribution of these reports without...Thismightbeduetoaverylargeamount
    of work to be assigned to a large pool, a complex method of assigning
    priorities , an extremely dynamic environinent, or some other reason.
    Another advantage to work scheduling is that...

...system to be developed. This section is intended to serve as a reminder
  of the **importance** of consciously designing a structure for Business
  Logic which helps to isolate the impacts of...

 11/3,K/5   (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00784136
**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR BUSINESS LOGIC SERVICES
    PATTERNS IN A NETCENTRIC ENVIRONMENT**
**SYSTEME, PROCEDE ET ARTICLE DE FABRICATION POUR STRUCTURES DE SERVICES DE
    LOGIQUE DE COMMERCE DANS UN ENVIRONNEMENT S'ARTICULANT AUTOUR DE
    L'INTERNET**
Patent Applicant/Assignee:
  ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
    (Residence), US (Nationality)
Inventor(s):
  BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
    , US,
Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,
    2029 Century Park East, Los Angeles, CA 90067-3024, US,
Patent and Priority Information (Country, Number, Date):
    Patent: WO 200116728 A2-A3 20010308 (WO 0116728)
    Application: WO 2000US24197 20000831 (PCT/WO US0024197)
    Priority Application: US 99387658 19990831
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
    AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
    ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU
    LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR
    TT TZ UA UG UZ VN YU ZA ZW
    (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
    (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
    (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
    (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 150863

Main International Patent Class: **G06F-009/44**
International Patent Class: **G06F-009/46**
Fulltext Availability:
    Detailed Description

Detailed Description
... set up and conversion).

    4. Scheduled Reports: The report architecture must support distribution
    of regularly **scheduled** reports. Typically, these reports will have a
    set schedule and frequency for distribution. The report...
    Thismightbeduetoaverylargeamount of work to be assigned to a large pool,
    a complex method of assigning **priorities** , an extremely dynamic
    environment, or some other reason. Another advantage to work scheduling
    is that...

...system to be developed. This section is intended to serve as a reminder
    of the **importance** of consciously designing a structure for Business
    Logic which helps to isolate the impacts of...

   11/3,K/6   (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00784135
**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A LOCALLY ADDRESSABLE
    INTERFACE IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT**
**SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION METTANT EN OEUVRE UNE INTERFACE
    ADRESSABLE LOCALEMENT DANS UN ENVIRONNEMENT DE CONFIGURATIONS DE
    SERVICES DE COMMUNICATION**
Patent Applicant/Assignee:
    ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
       (Residence), US (Nationality)
Inventor(s):
    BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
       , US,
Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,
    2029 Century Park East, Los Angeles, CA 09967-3024, US,
Patent and Priority Information (Country, Number, Date):
    Patent: WO 200116727 A2-A3 20010308 (WO 0116727)
    Application: WO 2000US24189 20000831 (PCT/WO US0024189)
    Priority Application: US 99387064 19990831
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
    AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
    HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
    NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
    (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
    (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
    (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
    (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 151048

Main International Patent Class: **G06F-009/44**
International Patent Class: **G06F-009/46**
Fulltext Availability:
    Detailed Description

Detailed Description
... a component-based model; Figure 81 illustrates Legacy Wrapper
    Components of a Pure Legacy Wrapper **Component** including a Legacy
    Wrapper Component, a Component Adapter, a Legacy Integration
    Architecture, a Legacy Adapter...the requirement of manual or user
    intervention (subsequent to initial set up and conversion).

    4. **Scheduled** Reports: The report architecture must support distribution
    of regularly scheduled reports. Typically, these reports will...amount of
    work to be assigned to a large pool, a complex method of assigning
    priorities , an extremely dynamic environment, or some other reason.
    Another advantage to work scheduling is that...

...system to be developed. This section is intended to serve as a reminder
    of the **importance** of consciously designing a structure for Business
    Logic which helps to isolate the impacts of...

11/3,K/7   (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00784131
**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A MULTI-OBJECT FETCH
    COMPONENT IN AN INFORMATION SERVICES PATTERNS ENVIRONMENT**
**SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR COMPOSANT DE RECUPERATION
    MULTI-OBJET DANS UN ENVIRONNEMENT CARACTERISE PAR DES SERVICES
    D'INFORMATIONS**
Patent Applicant/Assignee:
    ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
        (Residence), US (Nationality)
Inventor(s):
    BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918

, US,
Legal Representative:
  HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly LLP, Suite 3800,
     2029 Century Park East, Los Angeles, CA 90067, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200116723 A2-A3 20010308 (WO 0116723)
  Application: WO 2000US24083 20000831 (PCT/WO US0024083)
  Priority Application: US 99386238 19990831
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GE
  GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK
  MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN
  YU ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 150940

Main International Patent Class: **G06F-009/44**
International Patent Class: **G06F-009/46**
Fulltext Availability:
  Detailed Description

Detailed Description
... set up and conversion).

  231
  . Scheduled Reports: The report architecture must support distribution of
  regularly **scheduled** reports. Typically, these reports will have a set
  schedule and frequency for distribution. The report...system to be
  developed. This section is intended to serve as a reminder of the
  importance of consciously designing a structure for Business Lo ic which
  helps to isolate the
  91...

  11/3,K/8   (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00784126
**SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR AN EXCEPTION RESPONSE TABLE
    IN ENVIRONMENT SERVICES PATTERNS**
**SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION DESTINES A UNE TABLE DE REPONSE
    D'EXCEPTION DANS DES CONFIGURATIONS DE SERVICES D'ENVIRONNEMENT**
Patent Applicant/Assignee:
  ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
     (Residence), US (Nationality)
Inventor(s):
  BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
  , US,
Legal Representative:
  HICKMAN Paul L (et al) (agent), Oppenheimer Wolff & Donnelly LLP, 38th
     Floor, 2029 century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):
  Patent: WO 200116706 A2-A3 20010308 (WO 0116706)
  Application: WO 2000US24086 20000831 (PCT/WO US0024086)
  Priority Application: US 99387873 19990831
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK DZ EE ES FI GB
  GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
  MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN
  YU ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 150318

Main International Patent Class: **G06F-009/44**
Fulltext Availability:
  Detailed Description

Detailed Description
... event.

  Queue Management
  These services provide access to the workflow queues which are used to
  schedule Workflow services allow users and management to monitor and
  access workflow queue infort-nation and...

...system to be developed. This section is intended to serve as a reminder
  of the **importance** of consciously designing a structure for Business
  Logic which helps to isolate the impacts of...

  11/3,K/9   (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00784125
**SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PIECEMEAL RETRIEVAL IN AN
    INFORMATION SERVICES PATTERNS ENVIRONMENT**
**SYSTEME, PROCEDE ET ARTICLE DE FABRICATION DESTINES A LA RECHERCHE
    FRAGMENTAIRE DANS UN ENVIRONNEMENT DE MODELES DE SERVICES
    D'INFORMATIONS**
Patent Applicant/Assignee:
  ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
    (Residence), US (Nationality)
Inventor(s):
  BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
    , US,
Legal Representative:
  HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,
    2029 Century Park East, Los Angeles, CA 90067-3024, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200116705 A2-A3 20010308 (WO 0116705)
  Application: WO 2000US24085 20000831 (PCT/WO US0024085)
  Priority Application: US 99386433 19990831

Designated States:
(Protection type is "patent" unless otherwise stated – for applications
prior to 2004)
   AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
   HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
   NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
   (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
   (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
   (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
   (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 150355

Main International Patent Class: **G06F-009/44**
Fulltext Availability:
   Detailed Description

Detailed Description
... of reports requested by users on demand. Typically, these reports will
   not have a set **schedule** or frequency for distribution. The report
   architecture must support distribution of these reports without the...

...set up and conversion).
   231
   . Scheduled Reports: The report architecture must support distribution of
   regularly **scheduled** reports. Typically, these reports will have a set
   schedule and frequency for distribution. The report...system to be
   developed. This section is intended to serve as a reminder of the
   importance of consciously designing a structure for Business Logic which
   helps to isolate the impacts of...

11/3,K/10   (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00784119
**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A REFRESHABLE PROXY POOL IN
    A COMMUNICATION ENVIRONMENT**
**SYSTEME, PROCEDE ET ARTICLE POUR GROUPE D'ELEMENTS MANDATAIRES (PROXY)
    RAFRAICHISSABLES DANS UN ENVIRONNEMENT A CONFIGURATIONS DE SERVICES DE
    COMMUNICATION**
Patent Applicant/Assignee:
  ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
    (Residence), US (Nationality)
Inventor(s):
  BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
    , US,
Legal Representative:
  HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly LLP, 1400 Page Mill
    Road, Palo Alto, CA 94304, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200116668 A2-A3 20010308 (WO 0116668)
  Application: WO 2000US24113 20000831 (PCT/WO US0024113)
  Priority Application: US 99386239 19990831
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES
  FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA
  MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ
  UA UG UZ VN YU ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 149976

Main International Patent Class: **G06F-009/46**
Fulltext Availability:
  Claims

Claim
... the requirement of manual or user intervention (subsequent to initial
  set up and conversion).

  4 **Scheduled** Reports: The report architecture must support distribution
  of regularly scheduled reports. Typically, these reports will have a set
  schedule and frequency for distribution. The report distribution package
  must support distribution of these reports without...amount of work to be
  assigned to a large pool, a complex method of assigning **priorities** , an
  extremely dynamic environment, or some other reason. Another advantage to
  work scheduling is that...

...system to be developed. This section is intended to serve as a reminder
  of the **importance** of consciously designing a structure for Business .
  Logic which helps to isolate the impacts of...without regard to what's
  happening outside of its boundaries (e.g., the actions that **precede** or

follow it). Another key to embracing change is the predictability and
conceptual integrity of...However, too much complexity in a component can
lead to many of the problems that **preceded** component-based development.
For example, embedding too much policy information can lead to a Business
...tasks and 8-24 weeks or slightly more for complex design problems.
Usually programming should **precede** design experience, if possible.
Thus, leveraging experienced component and object technology skills is
key to...

...Furthermore, although an incremental approach delivers less in each
successive release, it can deliver higher **priority** portions of the
system much earlier than a traditional approach, thereby recognizing
business benefits in...delivery of business benefits and the risks
implied by increasing scope and team size. The **urgency** of the business
and the desire to manage development size may sometimes favor an
incremental....

...be more appropriate to tune performance throughout the development
lifecycle.
Third-Party Components Have Increasing **Importance**
Third party components can play an important role in software
development. Today's development tools...deep technical skills is clearly
a challenge. However, the engagement team should not overlook the
importance of functional skills. Experience has shown that technical
backgrounds may sometimes be over-emphasized to...approach for moving
sub- systems into system test. It's also important to consider the
importance of informal sharing of information when many developers are
undergoing training or there are global...

...of activity such as analysis, design, code, and test. The waterfall
model provides a controlled, **orderly** process for developing a system.
Work is sequenced to ensure that the design addresses the...out into
successive releases. For example, the initial release of a customer
system might comprise **order** processing, followed by a subsequent
release for billing, and a third release for collections processing...

...Furthermore, although an incremental approach delivers less in each
successive release, it can deliver higher **priority** portions of the
system much earlier than a traditional approach, thereby recognizing
business benefits in...

...delivery of business benefits and the risks implied by increasing scope
and team size. The **urgency** of the business and the desire to manage
development size may sometimes favor an incremental...Support
Custornization of the Process.
UML & Case Tools in the development architecture
Each project using **component** -based technology deten-nines how to use 00
CASE tools to support an object-oriented...

...Case tools in recent years have extended their ability to support more
of the life **cycle** and improved their ease of use. In addition, some
case tools have improved their integration with the Integrated
Development Environments (IDEs) and produce some **level** of acceptable
component code generation. It is important for the development
architecture team to detennine early exactly which...
...Traditional
Environments
While traditional client/server systems typically required one

development tool for programming efforts, **component** -based systems are often built using several tools and programming languages. The increase in tools is directly related to the improved capability to integrate software **components** through interfaces that hide the implementation details. Typically, the more heterogeneous envirom-nents may be...

...heterogeneous environment.
Configuration Management
The advent of client/server has focused significant attention on the **importance** of configuration management as key to success. Configuration management is more than just source code control. It must encompass the management of the application software **components** from conception, through implementation, delivery, and enhancements. While the problem is not unique to **component** and object development, an object-oriented environment presents special challenges discussed below. Configuration management is more complex in a **component** development architecture Currently, artifacts versioned with various tools do not know about each other. For...

...reality is that current versioning in the majority of tools only occurs at the file **level** and not at the required **level** of granularity to support development elements. Methods, classes, **components** , and their respective deliverables should be versioned but only a few products on the market today support this **level** of granularity and they are not yet integrated with popular case tools.
Object systems are decomposed into more **pieces**
Configuration management is more complex with object development because the system is more finely decomposed. Object development realizes the benefits of flexibility and reusability through a greater **level** of decomposition than was present in traditional·systems. While smaller objects have the advantage of...

...their relationships becomes difficult.
343
For example, a key principle of object-oriented design is **separation** of concern, which decomposes behavior into smaller, more cohesive objects. This strategy strives to prevent...

11/3,K/11   (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00777016
**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR MAINTAINING DATA IN AN
    E-COMMERCE BASED TECHNICAL ARCHITECTURE**
**SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DE MAINTIEN DES DONNEES DANS UNE
    ARCHITECTURE TECHNIQUE DE COMMERCE ELECTRONIQUE**
Patent Applicant/Assignee:
  ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
    (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  UNDERWOOD Roy A, 4436 Hearthmoor Court, Long Grove, IL 60047, US, US
    (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
  HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly LLP, 1400 Page Mill
    Road, Palo Alto, CA 94304, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200109751 A2 20010208 (WO 0109751)
  Application: WO 2000US20546 20000728 (PCT/WO US0020546)
  Priority Application: US 99364535 19990730
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK DZ EE ES FI GB
  GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
  MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ
  VN YU ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 124205

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
  Claims

Claim
 ... complete subsystem replacement
  New Development/New Release Migration Process
  Platform Type All
  Description Migration from **Component** Test to Assembly Test occurs when
  the Development team successfully completes the **Component**
  Test exit criteria. The ...installation in the Assembly Test environment
  is given.
  zqg
  NOR
  -Tn
  g
  -K@
  Approval to **Stage** Development Team Member (the approval must be
  tracked
  (1)
  Exit/Approval CT Exit Criteria
  Criteria...

...Kit creation is automated the trigger should come from Performed by (2)
the approver to **stage** as listed above.
& (3) If the Kit creation is not automated, then the Development or...

...to the
CM repository requirements
Post-Migration The post-migration location can be a physically **separate**
Location directory with the appropriate **level** or security, allowing
write
access for the kit creation process and read access for the...

...migration location can also be a
logical location, where units are tagged with the AT **level** .
MM
U – A 9P
Dring iff ormait@ gig
WE
Manual/Automated Migration can either be...

...a.h, a-sub.pc,
a-main.pc, should all be tagged at the CT **level**). This may
prevent the derived product from becoming out of sync with its
sub- **components** in the repository. Only the final product needs
to be migrated.
aim
jv"kaggWerl 16a...

...should be notified upon successful
completion of a migration: Development Project Team
External At this **stage** no outside communication is required except for
project status purposes. This task should be incorporated into
the project status meeting in **order** to notify business partners
and other project teams.
fl"'A rNWHRIVINA
JUM 110UMM
Approval from **Stage** Development Member (the approval must be tracked)
(4)
Entrance/Approval AT Entrance Criteria
Criteria
Vit...

...environment can also be
(6) performed by multiple groups. Consideration should be given
to the **level** of system security access required to perforin the
installation. N"enever a significant **level** of access is required,
the installation process should be limited to either the TS team...

...migration location should match the post migration
Location location listed above for the Migration to **Stage**
447
cost effective. This location should mirror the production
environment as closely as possible.
ckaging...
...yj
R u
Manual/Automated For complex systems and installations requiring a
significant

Package? Tool? **level** of access the process should be automated. Manual
processes may require explicit directions and a...

...should be notified upon successful
completion of a migration: Development Project Team
External At this **stage** no outside communication is required except for
project status purposes. This task should be incorporated into   »
the project status meeting in **order** to notify business partners
and other project teams.
448
Platform Type All
Description Migration from...

...Product Test
environment is given.
I I 11 IBM R I'M I
Approval to **Stage** Development Team Member this ...Kit creation is
automated the trigger should come from Performed by (2) the approver to
stage as listed above.
& (3) If the Kit creation is not automated, then the Development or...

...present descriptioned set of procedures.
Pre-Migration The pre-migration location can be a physically **separate**
Location directory with the appropriate **level** of security or it can be
a
logical environment in which the units are tagged with the
appropriate migration **level** . Post-Migration The staging environment can
be a physically **separate** directory
Location with the appropriate **level** of security or it can be a
logically
 separate environment in which the units are tagged with the
appropriate migration **level** .
449
MRERHN
tioultbistii, IN
on
Pawl 1%4,@
rf No
oml -'a
gin&@ A OrThUti...
...teams should be notified upon successful
completion of a migration: Test Team
External At this **stage** no outside communication is required except for
project status purposes. This task should be incorporated into
the project status meeting in **order** to notify business partners
and other project teams.
aget
. . . .
Approval from **Stage** Development Member this approval must to be tracked
(4)
Entrance/Approval PT Entrance Criteria
Criteria...

...environment can also be
(6) performed by multiple groups. Consideration should be given
to the **level** of system security access required to perform the
installation. Whenever a significant **level** of access is required,
the installation process should be limited to either the TS team...

...migration location should match the post migration
  Location location listed above for the Migration to **Stage**
  Post-Migration The post-migration location should be a physically
  separate
  Location environment from the CT envirom-nent whenever feasible and
  cost effective. This location should...

...111111:11iillm ERESSEMM. Manual/Automated For complex systems and
  installations requiring a significant
  Package? Tool? **level** of access the process should be automated. Manual
  process may require explicit directions and a...

...following teams should be notified upon successftil
  completion of the migration: Test
  External At this **stage** no outside communication is required except for
  project status purposes. This task should be incorporated into
  the project status meeting in **order** to notify business partners
  and other project teams.
  SIR WORKBENCH USAGE
  Figure 103 illustrates a...

...user that created each system investigation report, a status of each
  system investigation report, a **priority** of each system investigation
  report, a description ...complete the form, do the following:
   Select the appropriate Originator 10336, Project Phase 10338 and
  Component 10310 from the list boxes. Enter a short description of the
  problem within thé SIR...

...project tree 10900 as shown in Figure 109 and 109.1 so as to logically
  separate source code 10902, tools 10904, and documentation 10906 for
  ease of use and administration. The...

...Usage
  Check Out
  1 5 Application checkout can be performed at any project or file **level**
  using the VSS Explorer. It is possible to check out 1 1 000 the entire...

 11/3,K/12   (Item 12 from file: 349)
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00488451   **Image available**
**INTEGRATED   CUSTOMER   INTERFACE FOR WEB BASED COMMUNICATIONS NETWORK
     MANAGEMENT**
**INTERFACE CLIENT INTEGREE POUR LA GESTION DE RESEAUX DE COMMUNICATIONS
     BASES SUR LE WEB**
Patent Applicant/Assignee:
  BARRY B Reilly,
  CHODORONEK Mark A,
  DEROSE Eric,
  GONZALES Mark N,
  JAMES Angela R,
  LEVY Lynne,
  TUSA Michael,
Inventor(s):
  BARRY B Reilly,

CHODORONEK Mark A,
DEROSE Eric,
GONZALES Mark N,
JAMES Angela R,
LEVY Lynne,
TUSA Michael,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9919803 A1 19990422
  Application: WO 98US20173 19980925   (PCT/WO US9820173)
  Priority Application: US 9760655 19970926
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AU BR CA JP MX SG AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 90769

Main International Patent Class: **G06F-013/00**
International Patent Class: **G06F-017/30**
Fulltext Availability:
  Detailed Description

Detailed Description
... covering security, order
  entry, fulfillment, billing, self-monitoring, metrics
  and support. Each of these common **component** areas will
  be discussed in further detail herein.
  Figure I is a diagrammatic illustration of...the inbox client
  is able to receive information on multiple threads to
  allow a high **priority** message to get through even if a
  large download is in progress. Typically, the browser...server provides
  additional fields as part of the Talarian request
  message including: a Corp
  ID, **Priority** , and RequestID.

  Corp-ID allows the DSS to route the request to the
  appropriate data...

...to send back an
  ARDA failure message, in the event of an invalid
  message. The **Priority** field allows DSS to pickup the
  next high **priority** request from a queue of nonprocessed requests,
  without invoking the parser.

  Figure 14(b) illustrates...an
  arbitrator into the request table 493 and request
  status table 494 along with the **priority** , timestamp and
  SUBSTITUTE SHEET (RULE 26)
  status fields. The request status table resides on the...errors
  are logged internally in the DSS system. This control
  process includes logic enabling the **prioritization** of
  report requests and application of rules defining the
  order in which they should be...the customer to select from among the
  following
  criteria to be used in the query: **priority** , status,
  identifier, open date, and ticket number. As criteria
  are selected from the "CRITERIA" tab...25(i). This window 2490 provides
  information about the
  selected ticket including: ticket number, ticket

priority , ticket status, ticket identifier, ticket
product, ticket service, date occurred, trouble
description, and organization (ORG...events that occur to a ticket
throughout its lifecycle. These events include
changing status, changing **priority** , and reassignment of
the person working the ticket. The customer must be
viewing the particular...order having an approved order admin
record and with a condition that NetCap has no
preceding orders queued against the plan, The
submission process takes place in two steps: first, the...YYYY HH:MM (24
hour clock); 2) a
field 2764 enabling the establishment of a **priority**
(depending on security access privileges); 3) a field
2766 for describing the order's current...a
date/time when the order is to be implemented by the
host; selecting a **priority** based on the user's security
access privilege; establishing an order status, e.g,,
approved...for when the
calling card order is to be implemented by the host; 2)
a **priority** field 2884 for establishing calling card
order **priority** (depending on security access
priv-'@Ieges); 3) a current order status field 2886; 4) a...a
date/time when the order is to be implemented by the
host; selecting a **priority** based on the user's security
access privilege; establishing an order status, e,g,,
approved...

...for when the
dialing plan order is to be implemented by the hos-.; 2)
a **priority** field 2962 for establishing dialing plan
order **priority** (depending on security access
privileges); 3) a current order status field 2963; 4) a
Remarks...a date/time when the order is to be
implemented by the host; selecting a **priority** based on
SUBSTITUTE SHEET (RULE 26)
PCTIUS98/20173 the user's security access privilege; establishing...when
the ID Code/Set order is to be implemented by
the host; 2) a **priority** field 3053 for establishing
dialing plan order **priority** (depending on security
access privileges); 3) a current order status field
3054; 4) a Remarks...Once the report is made
available, at the customer's preference and selection
based on **priorities** and severity, the customers may
receive notification through one or any combination of
page, e...

11/3,K/13   (Item 13 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00418748   **Image available**
**SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS
    PROTECTION**
**SYSTEMES ET PROCEDES DE GESTION DE TRANSACTIONS SECURISEES ET DE PROTECTION
    DE DROITS ELECTRONIQUES**
Patent Applicant/Assignee:
  INTERTRUST TECHNOLOGIES CORP,

Inventor(s):
  GINTER Karl L,
  SHEAR Victor H,
  SIBERT W Olin,
  SPAHN Francis J,
  VAN WIE David M,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9809209 A1 19980305
  Application: WO 97US15243 19970829   (PCT/WO US9715243)
  Priority Application: US 96706206 19960830
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
  IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
  PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW SD
  SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT
  LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 195626

Main International Patent Class: **G06F-001/00**
Fulltext Availability:
  Detailed Description

Detailed Description
... foundation.

  This configurability and reconfigurability allows electronic
  commerce and data secunity participants to reflect their
   priorities and requirements through a process of itefdtively
  shaping an evolving extended electronic agreement (electronic
  control...allowed by senior
  control information and as determined by any
  negotiation trade-offs that satisfy **priorities**
  stipulated by ...arrangements.
  For example, a content creator's VDE control information
  for certain content can take **precedence** over other submitted
  VDE participant control information and, for example, if allowed
  by senior control information, a content distributor's control
  information may itself take **precedence** over a client
  admini trator's control information, which may take **precedence**
  over an end-user's control information. A path of distribution
  participant's ability to...control information is put in
  place by various parties (in place control information
  normally takes **precedence** over subsequently
  submitted control information),
  (2) the specifics of VDE content and/or appliance control...

  ...more piece of control from one or more parties or
  class of parties will take **precedence** over control
  information submitted by one or more ...manager 680c. Task manager 680b
  may initiate and/or
  manage initiation of executable tasks and **schedule** them to be
  executed by a processor on which ROS 602 runs (e.g., CPU...

  11/3,K/14   (Item 14 from file: 349)
  DIALOG(R)File 349:PCT FULLTEXT

00333854
COMPUTER SYSTEM INCLUDING MEANS FOR DECISION SUPPORT SCHEDULING
SYSTEME INFORMATIQUE DOTE DE MOYENS DE PLANIFICATION D'AIDE A LA DECISION
Patent Applicant/Assignee:
  SUN OPTECH LTD,
  KOSKI Robert E,
  BARLOW Christopher,
  Henderson Kenneth R,
Inventor(s):
  KOSKI Robert E,
  BARLOW Christopher,
  Henderson Kenneth R,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9616365 A2 19960530
  Application: WO 95IB1160 19951114   (PCT/WO IB9501160)
  Priority Application: US 94339520 19941114
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AU CA JP KR MX US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 14143

Main International Patent Class: **G06F-019/00**
International Patent Class: **G06F-17:60**
Fulltext Availability:
  Claims

Claim
... middle management activities can be eliminated by more efficiently
   conveying and interpreting management's pdorities/ **orders** /opinions
   through the Nchain of command,n and to report shop floor activities back
   to...

...raw material, labor, tools, fixtures, etc.) which must be available at
   the identified workspace in **order** to perform scheduled
   SUBSTITUTE SHEET (RULE 26)
   C. The CUBEBOOKING program will then attempt to...

...because present and future product production constraints are constantly
   available for review. As each new **order** or request enters, and each
   shipment or operation on a **part** is completed, a new world of
   requirements unfolds for analysis, minimizing reactive time consuming
   iterations...

...world" on the shop floor has a profound influence on manufacturing
   profitability and customer service **levels** . But currently shop floor
   ...cube face reference diagram;
   Fig. 5 is a Demand-Supply diagram showing the interaction between **Order**
   , Feature, and Resource
   SUBSTITUTE SHEET (RULE 26)
   Objects; and
   Fig. 6 is a set of...

...support the decisions an organization makes to muster Resources at
   Workspaces in Time to fulfill **Orders** . The term usupporto includes but
   is not limited to: data gathering and storage; logic operations;

evaluation, including comparison and triggering of different messages; communication; decision tree filtering, decision execution, **prioritization** ; alerting; displaying (both on monitor and hard copy printing), and inventorying. Key features of the...

...supply to its demand. Unitary: All demands and supplies are first reduced to a unitary **level** . For example, an **order** for 100 items are reduced to 100 **orders** for one item. This granularity allows booking of resource appointments at a unit **level** and allows capture of lot, serial, how-built, and the like, prime data. Ob*ect...

...to be very stupid; that is, it weighs all alternate paths equally. Therefore, it may **schedule products** on the worst possible machine because it weighs (**ranks**) the paths through all machines the same. However, as the Cube System operates within the...

...tend to assign certain types of products to certain machines and it adjusts the weighted **rankings** for those paths and learns to load specific machines with those types of jobs. CUBEBOOKING...

...using other Resources, Workspaces, and/or Time. The Cube System will learn these alternative paths, **rank** them accordingly, and be able to suggest them the next time the previously **ranked** "besto path 1 5 is unavailable. Feature-based: The top **level** of the Cube is composed of Feature Objects which define the basic capabilities of the...

...Feature Objects constantly query Resource Objects for their capability to supply these Features. When an **order** is received by the Cube it is decomposed to a series of unitary demands for single solution. As the assigned Time approaches Now the **level** of uncertainty and the alternative paths are narrowed until, at Now and continuing into the...

...encourage proactive decisions by suggesting that users react Now to future events by selecting from **ranked** probable alternatives while encouraging intelligent procrastination - decisions which narrow possible alternatives are made as late...

...or numbers into digital signal data that is input to the computer memory to be **part** of the data structure therein, and then may be searched, selected and transformed by one...

...data, in the form of a series of data values or set of data, as **part** of a Rich Response, a display of information, or result in (effectuate or initialize) further...

...asynchronous computer communication system such as is disclosed in WO 94/14127,23 94 (effective **priority** date of 08 92) the disclosure of which is hereby incorporated by reference. Figure I...microwave link, or it may be a communication service such as lntemetQD or CompuserveS whereby **orders** (demands) are made via E-mail, or it may be a direct phone modem hookup between the customer or vendor and the Cube System, or a manual **order** (demand) entry system such as a telephone, keyboard, punched card, etc., or any combination of the above. When the customer or vendor uses a computer system to place **orders** or receive demands, a wide area network may be used and these **orders** or demands may be formatted to communicate directly (electronically) with the Cube System of this...

...history, non-deterministic models may be used in identifying a best path
for the present **order** . Data structures 32 and data sets and arrays 33
contain information as to workspace layouts...

...and the secondary memory 30. Data entry and retrieval hardware such as
bar code readers, **parts** counters, sensors, manual entry, etc.
continuously transmit data from the Resource areas 40 and the...

...5 telephone, or other manual data entry methods. In operation a customer
60 demand or **order** 61 is received via the wide area network 65. The
order is interpreted or **broken down** by the CUBE BOOKING program
into a set of features required to satisfy the functionalities...
backwards, from the last set of workspaces, forward to the first set of
workspaces. Each **level** of cells or workspaces, may be associated with a
particular process step which contributes to the features demanded by the
customer. All workspaces in a **level** , however, am not necessarily
equivalent to one another in its ability to provide the desired...

...Variances between
SUBSTITUTE SHEET (RULE 26)
workspaces in such variables such as existing query, yield, **cycle** time,
raw material availability, labor availability, physical location in the
plant, physical distance from resource...

...will make the selection of one workstation preferable over another
workstation at the same workspace **level** . Using established modeling
tools, the process path best able to meet the demand may be identif ied.
CubeftWorld: An organization provides Products/Services to Customers
based on **Orders** from Customers to deliver certain Products/Services at
a certain Time (in the future). These...

...these Products/Services are received or produced, certain Workspaces 1 0
are utilized during the **order** -filing process. An organization may be a
single location, it may be as large as...

...warehouses, and vendors, or as small as a single department or machine.
While the Customer **Orders** are considered to be exogenous demands,
depending on the organization, such can be considered endogenous, i.e.,
"inside **orders** ," for example, **orders** from a parent company to Rs
division or subsidiary, or vice versa, or between subsidiaries or
divisions. 1 5 The organization is **divided** into one or more
Cube-Worlds, a logical subunit responsible for a defined (selected)
product...

...to be large enough so that its boundaries encompass all possible
alternative Processes to fill **orders** for its Products/Services. A
Cube-World may be **part** of a larger Cube-World, its "Parent-Cube." It
may contain smaller Cube-Wodds, its...

...Cube System, at one or more of the Cube-Worlds and/or Cube-Universe(s)
levels , is the When (Time), Where (Workspaces), What (Resources), Why (
Orders), and How (Features) of the schedule decision making process. The
Cube Structure: The Cube System...

...the Cube system. These are the work centers and storage locations within
the Cube- Demand- **Orders** (a) Customer- **Order** This is a Demand for a
Product-Resource from outside the Cube-World, an exogenous **order** ,
specifying a certain quantity of a certain product/service for delivery

by a certain Time. This may be an **order** from a customer of the
organization or may be an **order** from another department within the
organization that is operating in a different Cube-World (local or
distant). (b) Phantom- **Order** When the lead-time specified by a Customer
for delivery of a Product ·may be...

...a Product, the Cube System will maintain and update its own estimate of
Demand in **order** to provide a target to manage the uncertainty of such
speculative planning. The Phantom- **Order** is more than just a quantity
and a date; it includes an estimate of the expected standard deviation of
order lead-time, so that the Phantom- **Order** can be adjusted as actual
Customer- **Orders** appear in the system. As normal expected Customer
Orders arrive in the Cube they are allocated against the Phantom **Order**
for the same delivery time. As the delivery time approaches Now, the
Phantom **Order** is gradually replaced by Customer **Orders** until at
Time=Now the Phantom **Order** reduces to zero. M Replenishment- **Order** : A
Demand for a quantity of Purchased-Resource to be ready at a specified
future Time from another Cube-World or a vendor. This **order** is
exogenous relative to this Cube-World. It may be communicated to the
Vendor using Electronic Data Interfaces (EDI). All Replenishment- **Orders**
can be tied back to the Customer- **Order** or
SUBSTITUTE SHEET (RULE 26)
Phantom **Order** that created this Demand. A Replenishment **Order** is a
Demand on another Cube-World (within the organization) or the outside
world. The Supply counterpart of the Replenishment- **Order** is called the
Replenishment. (d) Job- **Order** A Demand for a quantity of
Product-Resources or **Component** -Resources to be ready at a Time. This
order is endogenous to this Cube-World. All Job- **Orders** can be tied
back to the Customer- **Order** or Phantom- **Order** that created this Demand.
The Supply counterpart of the Job- **Order** is called the Job.
Supply- **Orders** :
(a) Job: The Supply counterpart of the Job- **Order** . A sequence of
Processes linked over Time 1 0 to produce a particular **Component**
-Resource or Feature. It is the Job that is scheduled by the Cube System
in **order** to meet the Demand for **Component** -Resources placed on the
Cube-World by the Job- **Order** . The Job is the only Supply **Order** that is
entirely controllable within a Cube-World. (b) Replenishment: The Supply
counterpart of the Replenishment- **Order** . Feature Oblects (Features):
This is the nHow" of the Cube System. Features are defined by...

...Feature is defined to the system it can be used in the definition of
other **Component** -Resources ·or Features. For example, a hydraulic valve
comprises a body having cavities in which...defined sequence of steps at
a Workspace called a Tsugami (an automated drilling machine). A
Component -Resource for a valve can be defined as being made up of a
certain size aluminum body with T2A feature at a certain location, and
given a unique **part** number. See Appendix A and Figs. 4 and 6. Thus, a
partly or completed product...

...Cube World, whether endogenous or exogenous.
SUBSTITUTE SHEET (RULE 26)
Feature Concepts: Unlike current conventional **Material   Requirements
Planning** systems (**MRP** Systems), which view products only as a
combination of materials and therefore plans only the...

...etc. By defining the physical "Features* of products rather than fixing
the "processm of producing **parts** , a bridge, a backward chaining

way-station, is built in the long path from production...

...it is defined all the way back to its Resources and Workspaces. For
example, a **component** of, say, a valve product is a certain
aluminum body defined as:
Start with a...

...0.25 Inch Diameter Drills, and are currently qualified for use on Drill
Presses then **rank** the Drill Presses that could be used. Then it groups
pending Job- **Orders** to determine what Features are required at the The
concept of ...available. The Cube System also calculates in advance the
demand for Features based on current **orders** for Products. As a result,
critical real-time scheduling calculations are reduced to the task...

11/3,K/15   (Item 15 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00234265   **Image available**
**SYSTEM   FOR   DIVIDING   PROCESSING   TASKS   INTO   SIGNAL   PROCESSOR   AND
    DECISION-MAKING MICROPROCESSOR INTERFACING**
**SYSTEME DE SEPARATION DES TACHES DE TRAITEMENT EN TACHES POUR INTERFACAGE
    AVEC UN PROCESSEUR DE SIGNAUX ET UN MICROPROCESSEUR DE PRISE DE
    DECISION**
Patent Applicant/Assignee:
  STAR SEMICONDUCTOR CORPORATION,
Inventor(s):
  ROBINSON Jeffrey I,
  ROUSE Keith,
  KRASSOWSKI Andrew J,
  MONTLICK Terry F,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9308524 A1 19930429
  Application: WO 92US8954 19921014   (PCT/WO US9208954)
  Priority Application: US 91776161 19911015
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AU CA JP KR AT BE CH DE DK ES FR GB GR IE IT LU MC NL SE
Publication Language: English
Fulltext Word Count: 219172

Main International Patent Class: **G06F-009/00**
International Patent Class: **G06F-09:40**
Fulltext Availability:
  Claims

Claim
... It enables use of the development system software. An integral power
cord connects the power **supply** unit to the AC outlet. A
positive-locking DC power cable connects the power supply...of a sequence
for the biquad sections in an IIR filter realization, are of great
importance in fixed-point arithmetic. The filter design interface uses a
standard procedure for pairing poles...added to the declaration for any
input or output of an asmblock. 71he keyword must **precede** the
identifier in the appropriate section of the 1/0 listing. This keyword
makes the...as in the C language, or appear at the end of the line and be

preceded by the comment characters VI).
C-6 SPROC Chip Architecture, Instructions and Registers
The instruction...Name-stack));
strcpy(Version, "$Revision: 1.5 $11);
/* identify version */
display banner(Version);
/* note that **order** in function array must match switch string below
func[O] = set-aiL-symbols;
func[1...Source file base, fiLes[D]);
break;
default:
printf("
nERROR -- SYM003: Unknown parameter As< (use to **precede** switch).",
fiLes[13);
show-usaga
and-exito;
break;
rF
/* pay attention to command Line switches...

...the data space structure @/
1* wrap the whole thing in a structure declaration to forte **ordering**
1* first, the code and control declares @1
sprintf(out-Line,"Xn%sextern sprcc@
ccde...

```
Set     Items   Description
S1    2367697   DIVID? OR DISAGGREGATE OR SEPARAT??? OR BREAKDOWN OR BREAK-
                ()DOWN OR BREAKING()DOWN OR BROKEN()DOWN
S2      16466   (PRODUCT? OR RELEASE? OR COMPONENT OR SUPPLY)(1N)SCHEDULE?
                OR MRP OR MATERIAL()REQUIREMENT?()PLANNING
S3   10310556   LEVEL? OR STAGE? ? OR CYCLE? ? OR PART? ? OR PIECE? ? OR C-
                OMPONENT? ?
S4    3956947   SORT??? OR ORDER??? OR RANK????
S5     981649   PRIORIT? OR IMPORTANCE OR URGENCY OR PRECED?
S6        627   S1 AND S2
S7        318   S6 AND S3
S8         91   S7 AND S4
S9          9   S8 AND S5
S10         7   RD (unique items)
S11         7   S10 NOT PY>2001
S12         0   HOWF FILES
File    2:INSPEC 1969-2005/Aug W3
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          (c) 2005 The New York Times
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          (c) 2005 Inst for Sci Info
File    8:Ei Compendex(R) 1970-2005/Aug W3
          (c) 2005 Elsevier Eng.  Info. Inc.
File   14:Mechanical and Transport Engineer Abstract 1966-2005/Aug
          (c) 2005 CSA.
File   34:SciSearch(R) Cited Ref Sci 1990-2005/Aug W3
          (c) 2005 Inst for Sci Info
File   94:JICST-EPlus 1985-2005/Jul W1
          (c)2005 Japan Science and Tech Corp(JST)
File  434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
          (c) 1998 Inst for Sci Info
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11/5/1   (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01455325 ORDER NO: AADAA-I9600141
COOPERATIVE BUYER-SUPPLIER RELATIONSHIPS
   Author: BOWMAN, SHERRY ANN
   Degree: PH.D.
   Year: 1995
   Corporate Source/Institution: THE PENNSYLVANIA STATE UNIVERSITY (0176)
   Advisers: J. KEITH ORD; JACK HAYYA
   Source: VOLUME 56/09-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
            PAGE 5145. 191 PAGES
   Descriptors: OPERATIONS RESEARCH ; BUSINESS ADMINISTRATION, GENERAL ;
                 ECONOMICS, LABOR
   Descriptor Codes: 0796; 0310; 0510

     Companies that adopt the JIT philosophy are encouraged to reduce the
number of suppliers. It is suggested that long run, mutually beneficial
relationships be established between buyers and suppliers. When a buyer and
a supplier work together the relationship can no longer be adversarial.
Both parties must cooperate so that the benefits from such a close
relationship are shared. But, frequently, the supplier finds it necessary
to hold additional inventory in **order** to meet the buyer's delivery
schedule. We describe cooperative buyer-supplier relationships, where we
explore the areas of inventory control and production scheduling. We focus
on joint transaction cost savings. Since we look at the buyer-supplier
relationship mostly from the supplier's point of view, a portion of the
study deals with scheduling production with some buyers having a higher
priority than others. Also a series of models are developed to illustrate
the progression from traditional reorder point models, where the buyer
places the **order** , to production scheduling models, where the supplier has
complete information about the buyer's inventory **level** and **schedules**
production prior to **order** receipt. We find in every model that the
jointly optimal solution is less costly than any individually optimal
solution. We also develop an innovative way to **divide** the cost savings
between the parties based upon their relative power.

11/5/2   (Item 2 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01361556 ORDER NO: AAD94-17269
INTEGRATION OF MATERIAL PLANNING AND DETAILED SCHEDULING
   Author: NAMBIMADOM, RAMAKRISHNAN SUBRAMANIAN
   Degree: PH.D.
   Year: 1994
   Corporate Source/Institution: THE UNIVERSITY OF ROCHESTER (0188)
   Supervisor: UDAY S. KARMARKAR
   Source: VOLUME 55/02-A OF DISSERTATION ABSTRACTS INTERNATIONAL.
            PAGE 312. 171 PAGES
   Descriptors: BUSINESS ADMINISTRATION, GENERAL; OPERATIONS RESEARCH
   Descriptor Codes: 0310; 0796

     Materials planning is one of the most important production planning
activities of a manufacturing firm. The most commonly used approach,
Material   Requirements   Planning (**MRP**), achieves a host of functions

including material allocation, **order** release (batching and timing), and coordination of material flows. However **MRP** assumes fixed lead times for production. These lead times are assumed to be properties of items, independent of the loading. Thus it ignores the interaction of **orders** in the production process. As a result, lead times are usually overstated and the production plan for various inputs of an **order** are not coordinated. A different approach to this problem is the Production Reservation System. This method focuses its attention on integrating the material planning and scheduling decisions for a single **order**. It ignores interaction between **orders**. We consider the integration of material planning with detailed scheduling for a three **stage** Bill of Materials (BOM). Production lots are either obtained for a lot for lot (L4L) basis or they are batched (BATCH). Material purchases are made on either a lot for lot (L4L) or a lot for unit (L4U) basis. We develop methods that **divide** the set of decisions into sub-problems using Lagrangean relaxation. Each of these sub-problems focus on a subset of these decisions. Resource prices are used to convey information about the impact of decisions made in one sub-problem, on the decisions made in other sub-problems. Three relaxations are obtained for the models with lot for lot production. For the model with production batching, one relaxation is presented. Algorithms for the sub-problems generated by the relaxations are developed. Two heuristics that use the Lagrangean relaxations are obtained for each relaxation. We also consider a heuristic based on the reservation approach, and four **MRP** based methods using different lead time values. Finally, a couple of improvement heuristics that start with a given solution and then attempt to improve it without distorting the **priorities** inherent in it are also presented. The algorithms are tested on 14 data sets, each containing 25 problems. The pricing based approach generally does better, but the reservation based methods enhanced by the improvement heuristics are almost as good. The lot for unit material purchase case turns out to be very similar to the lot for lot material case. A number of important generalizations of the pricing method are also presented.

11/5/3   (Item 3 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
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767968 ORDER NO: AAD82-02828
THE EFFECT OF LEARNING CURVE ANALYSIS IN CAPACITY PLANNING DECISIONS
   Author: CMUNT, TIMOTHY LAWRENCE
   Degree: D.B.A.
   Year: 1981
   Corporate Source/Institution: INDIANA UNIVERSITY, GRADUATE SCHOOL OF
            BUSINESS (0871)
   Source: VOLUME 42/08-A OF DISSERTATION ABSTRACTS INTERNATIONAL.
            PAGE 3659. 182 PAGES
   Descriptors: BUSINESS ADMINISTRATION
   Descriptor Codes: 0310

     The area of capacity planning is receiving increased emphasis in the mangement of operations due to the financial benefits of efficiently utilizing capacity and to the **importance** of accurate capacity plans for use with **MRP** (**Material   Requirements   Planning**) systems. Prior research in capacity planning has been limited to improving capacity management techniques which assume a constant **level** of productivity. But it has been shown in the research of Wright, Baloff, and others that many firms exhibit productivity improvements as more units are produced. These

productivity improvements are usually associated with a learning process--human, technological or organizational--and have been measured in the past by logarithmic functions known as learning curves.

When companies exhibit this learning process in the use of their capital or human resources, the capacity planning methodology utilized should consider the effects of future productivity improvements on capacity utilization. Although the learning phenomenon and capacity planning have been studied **separately** , little research has been accomplished to investigate the possible benefits of integrating learning curve analysis with standard planning techniques. The primary objective of this study is to evaluate the use of learning curve analysis for medium-term capacity planning under various planning environments.

The benefit of incorporating learning curve analysis into the planning process is evaluated by testing the main and interaction effects of treatment variables which contribute to the planning environment. The approach used in this evaluation is to determine the nature of the problem using manufacturing cost data from actual production of various products. A major source of the actual cost data came from a field study of a medium-size metal-working manufacturing facility of commercial products. Supporting data was obtained from the author's previous position at a major aerospace defense firm and prior research. This data indicated that nine production characteristics were of **importance** in evaluating the use of learning curve analysis. These characteristics investigated are (1) average learning Rate, (2) previous production experience, (3) production volume, (4) turnover rate, (5) run-time variance, (6) learning rate mix, (7) run-time distribution, (8) lead time variation, and (9) Master **Production Schedule** (MPS) smoothness. Four **levels** of data aggregation were also investigated in this study since many companies only have the ability to determine product learning curves at an aggregate **level** .

Analytical results were obtained for the factors of learning rate, previous production experience, production volume, turnover rate, and run-time variance. However, when aggregation of information occurs, analytical models become complicated and difficult to formulate. Therefore, in **order** to test main and interaction effects of the factors which affect the benefit of using learning curve analysis for capacity planning under aggregation, a computer simulation study was accomplished. In this study, the factors for which analytical results were obtained are used as control variables.

The results of this study indicate that the incorporation of learning curve analysis with standard capacity planning techniques is beneficial in some situations. Benefit occurred when learning rates were steep or when the variation **levels** of the other factors considered were low. However, when the learning rate was moderate, high **levels** of factor variation resulted in negating most of the benefit associated with using learning curve analysis for capacity planning in the medium-term planning horizon. Specific conclusions are also made with respect to nine stated hypotheses.

11/5/4   (Item 1 from file: 7)
DIALOG(R)File   7:Social SciSearch(R)
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03542958   Genuine Article#: 371UW   Number of References: 34
Title: A multi-class multi- level **capacitated lot sizing model**
Author(s): Hung YF (REPRINT); Chien KL
Corporate Source: NATL TSING HUA UNIV,DEPT IND ENGN & ENGN
    MANAGEMENT/HSINCHU//TAIWAN/ (REPRINT)

Abstract: When demand loading is higher than available capacity, it takes a
    great deal of effort for a traditional **MRP** system to obtain a
    capacity-feasible production plan. Also, the **separation** of lot sizing
    decisions and capacity requirement planning makes the setup decisions
    more difficult. In a practical application, a production planning
    system should **prioritize** demands when allocating manufacturing
    resources. This study proposes a planning model that integrates all
    MRP computation modules. The model not only includes multi- **level**
    capacitated lot sizing problems but also considers multiple demand
    classes. Each demand class corresponds to a mixed integer programming
    (MIP) problem. By sequentially solving the MIP problems according to
    their demand class **priorities** , this proposed approach allocates
    finite manufacturing resources and generates feasible production plans.
    In this paper we experiment with three heuristic search algorithms: (1)
    tabu search; (2) simulated annealing, and (3) genetic algorithm, to
    solve the MIP problems. Experimental designs and statistical methods
    are used to evaluate and analyse the performance of these three
    algorithms. The results show that tabu search and simulated annealing
    perform best in the confirmed **order** demand class and forecast demand
    class, respectively.
Descriptors--Author Keywords: **material   requirement   planning** ;
    production plan ; lot sizing ; mixed integer programming ; tabu search
    ; simulated annealing ; genetic algorithm
Identifiers--KeyWord Plus(R): PRODUCTION PLANNING PROBLEMS; ASSEMBLY
    SYSTEMS; TABU SEARCH; ALGORITHMS; HEURISTICS; REQUIREMENTS;
    FORMULATION; COMPLEXITY; DECISIONS; **STAGE**

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11/5/5   (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
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08570531   Genuine Article#: 302ME   Number of References: 59
**Title: Specificity of effects of chronically administered diazepam on the
    responding of rats under two different spaced-responding schedules**
Author(s): Smith JB (REPRINT)
Corporate Source: MERCER UNIV,SCH PHARM, 3001 MERCER UNIV
    DR/ATLANTA//GA/30341 (REPRINT)
Journal: BEHAVIOURAL PHARMACOLOGY, 2000, V11, N1 (FEB), P45-55
ISSN: 0955-8810   Publication date: 20000200
Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA
    19106-3621
Language: English   Document Type: ARTICLE
Geographic Location: USA
Subfile: CC LIFE--Current Contents, Life Sciences;
Journal Subject Category: PHARMACOLOGY & PHARMACY; NEUROSCIENCES;
    BEHAVIORAL SCIENCES

Abstract: Lever pressing of rats was maintained in different chambers
    during two different sessions each day. At 0900 h, responding was
    maintained under a two- **component** multiple **schedule** in which
    responses initiated an interval that had to elapse before delivery of
    food (time delay of 20 s and 40 s). In this schedule, a
    'response-pause' sequence **preceded** reinforcers, and acutely
    administered diazepam only decreased responding. At 1400 h, responding
    by the same subjects was maintained under a different two- **component**
    multiple **schedule** , in which individual responses initiated an
    interval that had to be terminated by another response before delivery
    of food (DRL 20 s and 40 s). In this second schedule, a
    'response-pause-response' sequence **preceded** reinforcers, and acutely
    administered diazepam increased responding. After studying the acute
    behavioral effects of diazepam during each **separate** 'timing'
    schedule, animals systematically received 1.7 mg/kg per day diazepam
    2-5 min prior to their different schedule **components** , in **order** to
    study the influence of reinforcement contingency on the chronic effects
    of this drug. Diminution of the initial effects of diazepam during
    daily drug administration prior to DRL 20 s responding did not extend
    to DRL 40 s responding or to time-delay responding, and tolerance did
    not develop at all for time-delay responding. When diazepam was again
    administered after all the daily schedules for approximately 1 month,
    and then given before the individual DRL schedules, DRL responding was
    increased again as it had been prior to chronic drug administration.
    These results suggest that the behavioral effects of acutely
    administered diazepam are influenced by different 'timing'
    requirements, and that the behavioral effects of chronically
    administered diazepam are influenced by 'timing' requirements and by
    drug- and chamber-related stimuli. (C) 2000 Lippincott Williams &

Wilkins.
Descriptors--Author Keywords: diazepam ; DRL ; time-delay ; rat
Identifiers--KeyWord Plus(R): CONDITIONED PLACE PREFERENCE;
    MORPHINE-TOLERANCE; D-AMPHETAMINE; FIXED-RATIO; SITUATIONAL
    SPECIFICITY; BEHAVIORAL TOLERANCE; COCAINE; WITHDRAWAL; SENSITIZATION;
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11/5/6   (Item 2 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
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03400847   Genuine Article#: PB583   Number of References: 20
Title: VEHICLE SCHEDULING IN 2- CYCLE FLEXIBLE MANUFACTURING SYSTEMS
Author(s): BLAZEWICZ J; BURKHARD RE; FINKE G; WOEGINGER GJ
Corporate Source: ECOLE NATL SUPER GENIE IND/GRENOBLE//FRANCE/; GRAZ TECH
    UNIV, INST MATHEMAT B/A-8010 GRAZ//AUSTRIA/; UNIV JOSEPH
    FOURIER, IMAG, ARTEMIS LAB/GRENOBLE//FRANCE/
Journal: MATHEMATICAL AND COMPUTER MODELLING, 1994, V20, N2 (JUL), P19-31
ISSN: 0895-7177
Language: ENGLISH   Document Type: ARTICLE
Geographic Location: AUSTRIA; FRANCE
Subfile: SciSearch; CC ENGI--Current Contents, Engineering, Technology &
    Applied Sciences
Journal Subject Category: MATHEMATICS, APPLIED; COMPUTER SCIENCE,
    INTERDISCIPLINARY APPLICATIONS; COMPUTER SCIENCE, SOFTWARE, GRAPHICS,
    PROGRAMMING

Abstract: Flexible manufacturing systems (FMSs) have received much
    attention recently due to their **importance** for designing modern
    factories producing small lots of complicated products to specific
    customer **orders** . One of the most important problems arising in this
    context is scheduling **parts** on machines and, connected with it, an
    appropriate routing of automated guided vehicles (AGVs) ensuring
    on-time delivery of **parts** to particular machines. This paper general
    a new approach to model flexible manufacturing systems, motivated by
    the practical application. The objective is to develop algorithmic
    procedures that integrate the **production** **schedules** with the routing
    of automated guided vehicles in FMS. The transportation system of the
    FMS model consists of two **cycles** , leading to two **separate** machining
    centers. These **cycles** are interconnected, with a common stretch at
    the inspection and retrieval area, so that the AGVs can switch between
    the **cycles** to obtain a higher routing flexibility. In **order** to keep
    a complex system simple, a routing strategy is proposed that maintains
    a steady, regular, cyclic flow of all available vehicles. We develop,
    by means of a number theoretic concept, vehicle schedules that are
    collision-free for any **cycle** sequence. For a given production plan,
    we then present an efficient dynamic programming approach to check
    whether or not the required raw material (for machining **parts**) can be
    supplied in time to the various NC-machines. This method also solves an
    open problem in processor scheduling where a set of jobs with a
    restricted number of distinct processing times is to be scheduled
    before deadlines on m parallel processors.
Descriptors--Author Keywords: FLEXIBLE MANUFACTURING SYSTEM ; SCHEDULING ;
    DEADLINE ; AUTOMATED GUIDED VEHICLE ; ROUTING ; DYNAMIC PROGRAMMING
Cited References:
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    JAIKUMAR R, 1986, HARVARD BUSINESS REV
    JAIKUMAR R, 1992, V9, P315, J MANUF SYST
    KUSIAK A, 1989, V17, ANN OPERATIONS RES
    SIMONS BB, 1989, V18, P690, SIAM J COMPUT
    SINRIECH D, 1992, V11, P297, J MANUF SYST
    SRISHKANDARAJAH C, 1989, V17, P139, ANN OPER RES
    STECKE KE, 1985, V3, P3, ANN OPER RES
    STECKE KE, 1981, V19, P481, INT J PROD RES
    VILLA A, 1985, V2, P97, INT J MATERIAL FLOW
    YAO DD, 1985, V2, P143, MATERIAL FLOW

11/5/7   (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus

**A Method for Designing an Assembly Line Corresponding to Global Assembly
    Style.** Part **1. Assembly Line Method Based on BOM of** MRP **Technique.**
DWIANTO G (1); OSAKI HIROKAZU (1)
(1) Okayama Univ.
ABSTRACT: In this paper, we propose a method to design an assembly line to
    correspond flexibly to the global assembly style based on **MRP** . The
    precedence relation is **separated** into vertical and horizontal ones
    from the Bill of Material (BOM in **MRP**). The criterion for **ordering**
    the **part** and unit is introduced to determine the **order** of **parts**
    which is not determined by the **precedence** relations. The assembly
    line is constructed by the straight line to assemble the unit and by
    the parallel line to the subunit according to the BOM. In straight line
    or parallel line, the assembly station is constructed from the several
    part supplying stations by the criterion that the assembly time is
    less than the pitch time and the area covering by a man or a robot is
    restricted. (author abst.)
DESCRIPTORS: **MRP** ; process planning; **parts** ; assembly line
BROADER DESCRIPTORS: plan; production planning; production line; production
    process; process(production); process; production process(control)
CLASSIFICATION CODE(S): KB03030P

Set	Items	Description
S1	2532805	DIVID? OR DISAGGREGATE OR SEPARAT??? OR BREAKDOWN OR BREAK-()DOWN OR BREAKING()DOWN OR BROKEN()DOWN
S2	46442	(PRODUCT? OR RELEASE? OR COMPONENT OR SUPPLY)(1N)SCHEDULE? OR MRP OR MATERIAL()REQUIREMENT?()PLANNING
S3	972	S1(S)S2
S4	516	S3(S)(LEVEL? OR STAGE? ? OR CYCLE? ? OR PART? ? OR PIECE? ? OR COMPONENT? ?)
S5	6471944	SORT??? OR ORDER??? OR RANK????
S6	1630860	PRIORIT? OR IMPORTANCE OR URGENCY OR PRECED?
S7	27000	S5(7N)S6
S8	6	S4 AND S7
S9	6	RD (unique items) *Scanned titles & abstract*

File 20:Dialog Global Reporter 1997-2005/Aug 30
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9/3,K/1
DIALOG(R)File 20:Dialog Global Reporter
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44047016   (USE FORMAT 7 OR 9 FOR FULLTEXT)
Event Brief of Q2 2005 Protein Design Earnings Conference Call - Part 1
FAIR DISCLOSURE WIRE
August 04, 2005
JOURNAL CODE: WFDW   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 4470

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

      ... the end of calendar 2005, roughly one year ahead of the Co.'s most
recent   **schedule** . S3. **Product** Update (S.B.) 1. Terlipressin: 1.
Terlipressin, a vasopressin analog, has both orphan drug and...
...   frankly, that is something we will continue to look at. It's not a
high- **priority** but it is **sort** of a general corporate **priority** to try
to keep us focused as we go into 2006.

9/3,K/2
DIALOG(R)File 20:Dialog Global Reporter
(c) 2005 Dialog. All rts. reserv.

42299998   (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Event   Brief   of   Q1   2005   LandAmerica   Financial   Group,   Inc.   Earnings
   Conference Call - Part 1**
FAIR DISCLOSURE WIRE
April 28, 2005
JOURNAL CODE: WFDW   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 4565

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

      ... factors the new business generated by the co. 1. Co. has included
in its press **release** a **schedule** that reviews the operations for this
segment and reconciles to the GAAP reported numbers. 2...
...   have positive impact on the margins. A. (Ted Chandler) We are
increasingly sensitive to the **importance** of improving our ROE and in
 order to do that it requires a bit more of a systematic look at how your
...

9/3,K/3
DIALOG(R)File 20:Dialog Global Reporter
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42255372   (USE FORMAT 7 OR 9 FOR FULLTEXT)
Event Brief of Q1 2005 Amazon.com, Inc. Earnings Conference Call - Part 1
FAIR DISCLOSURE WIRE
April 26, 2005
JOURNAL CODE: WFDW   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 4449

      ... members living in their household. 5. With less than 90 days to go
before its **scheduled release** , customers worldwide had already placed
700,000 pre-orders for Harry Potter and the Half...

... beauty, bedding, tableware and home furnishing products are now available to AMZN customers. 7. Third- **party** sellers remain a key **part** of the Co.'s selection expansion and active seller accounts. 1. Merchants with an **order** from a customer during the **preceding** 12 months exceeded 925,000, up by a third YoverY. 8. The Co. plans to...

9/3,K/4
DIALOG(R)File 20:Dialog Global Reporter
(c) 2005 Dialog. All rts. reserv.

39741655 (USE FORMAT 7 OR 9 FOR FULLTEXT)
PalmSource, Inc. Merger & Acquisition Announcement - Part 1
FAIR DISCLOSURE WIRE
December 08, 2004
JOURNAL CODE: WFDW   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 4736

    (USE FORMAT 7 OR 9 FOR FULLTEXT)

    ... percent of whom are engineering, and the rest in sales and marketing for the most **part** . It's a very important acquisition to us because China MobileSoft is one of the...category of true smartphones. These are the open platform-based products that would allow third- **party** software, for example, to be added to the phones. So that means that more than...

... true smartphone category, they will have a choice of literally tens of thousands of third- **party** applications, in a growing number of third- **party** applications both for consumer and enterprise use. So end-users we think will benefit significantly... a more modern microkernel or kernel-based architecture, a lot of that work will pay **dividends** as we again move the application frameworks in UI to Linux. We will be able...

... combined Company to be working at sort of -- if I can use the metaphor -- higher **levels** of the operating system where we think we can add more value. Palm OS is...
...   looking at competitive practices and so on. I would point out that there is certainly **precedent** for separating **sort** of the operating system or the kernel of a smartphone platform from the layers above...

... or 80 software or FOMA software from Nokia or from someone else. So there is **precedent** for this, and there's **sort** of pricing models that we think can in certain ways be applied to this situation...

9/3,K/5
DIALOG(R)File 20:Dialog Global Reporter
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39643997
BHP Billiton Ltd Petroleum Customer Sector Group Briefing Sydney Conference Call and Presentation - Part 1
FAIR DISCLOSURE WIRE
December 02, 2004
JOURNAL CODE: WFDW   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 4814

...4 major offices - Melbourne, Perth, Houston and London. The offices have all got their own **sort** of area of **importance** . Houston is obviously the hub for our Gulf of Mexico business. But it's also...about increasing the output and also some of the inflationary pressures on the project. First **production** is **scheduled** later this month. I was actually in the Gulf of Mexico about 3 weeks ago...Caesar oil pipeline and a 22% interest in the Cleopatra gas pipeline. These pipelines are **part** of a new grid system being built in the Southern Green Canyon area for the transportation of Mad Dog and Atlantis plus some other third **party** sales. Construction of these pipelines has now been completed and actually the connection to Mad...

... you can see is the Minerva project, which was approved in May 2002. The final **part** of the Minerva development, the gas plant, is now approaching completion. Construction is well advanced and pre-conditioning has started. All other **parts** of the Minerva development are now ready to produce with the Minerva 3 and 4...

9/3,K/6
DIALOG(R)File 20:Dialog Global Reporter
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23053080
IUSI Announces 2nd Quarter Results
CANADA NEWSWIRE
May 28, 2002
JOURNAL CODE: WCNW   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 2504

    ... most utilities were awaiting the release of the U.S. Government's Energy Bill in **order** to analyze and **prioritize** their investment schedules over the next year. At the end of the quarter, there was...

... Arkansas facility. The new production line incorporates more automation and requires a significantly smaller staffing **level** than Batesville. We believe this will position IUSI to be the low cost supplier to...

... securing steel utility pole contracts, several of our customers have experienced abnormally high and extended **levels** of tropical spring rain causing them to reschedule their delivery requirements into our fiscal Q4 ...

... and other similar wood preservatives has had a positive impact on accelerating many utilities' interest **level** in evaluating a change to steel distribution poles. Coupled with the forthcoming publication (expected in...has used this period to optimize production capabilities in order to prepare for a high **level** of manufacturing and delivery requirement in the latter half of this calendar year. For example, as there is a much higher welding labor **component** associated with transmission structures, the number of qualified welders has been increased by 30 people through a company sponsored training initiative. At the same time, other direct labor **levels** were reduced by the elimination of redundant temporary/casual job positions. Operating Results For the...

... market is clearly indicating preference for engineered material based structures as well as a higher **level** of environmental consciousness. Our

recent announcement of an 18-month supply contract for steel utility...970
2,262 Gain on sale of subsidiary 0 0 (7,433) 0 Preferred share **dividends**
 0 1,136 0 2,230 Amortization of deferred financing costs 183 889 330 1...

... 2,432 3,379 5,025 Provision for future income taxes (9) (156) (204)
(602) **Dividends** to be settled by shares 0 883 0 1,772 Accretion of
preferred shares to...

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Set      Items    Description
S1      1412880   DIVID? OR DISAGGREGATE OR SEPARAT??? OR BREAKDOWN OR BREAK-
                  ()DOWN OR BREAKING()DOWN OR BROKEN()DOWN
S2        49234   (PRODUCT? OR RELEASE? OR COMPONENT OR SUPPLY)(1N)SCHEDULE?
                  OR MRP OR MATERIAL()REQUIREMENT?()PLANNING
S3      4583092   LEVEL? OR STAGE? ? OR CYCLE? ? OR PART OR PARTS OR PIECE? ?
                  OR COMPONENT? ?
S4      2194290   SORT??? OR ORDER??? OR RANK????
S5       776846   PRIORIT? OR IMPORTANCE OR URGENCY OR PRECED?
S6          721   S1(S)S2
S7          283   S6(S)S3
S8        17569   S4(5N)S5
S9           18   S7 AND S8
S10          18   RD (unique items) Scanned Title & abstract
S11          18   S10 NOT PY>2001
File  15:ABI/Inform(R) 1971-2005/Aug 30
          (c) 2005 ProQuest Info&Learning
File 610:Business Wire 1999-2005/Aug 30
          (c) 2005 Business Wire.
File 810:Business Wire 1986-1999/Feb 28
          (c) 1999 Business Wire
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          (c) 2005 Financial Times Ltd
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          (c) 2005 PR Newswire Association Inc
File 813:PR Newswire 1987-1999/Apr 30
          (c) 1999 PR Newswire Association Inc
File 634:San Jose Mercury  Jun 1985-2005/Aug 29
          (c) 2005 San Jose Mercury News
File 624:McGraw-Hill Publications 1985-2005/Aug 29
          (c) 2005 McGraw-Hill Co. Inc
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11/3,K/1   (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

02493670 116359250
The complexity of scheduling in practice
Stoop, Paul P.M.; Wiers, Vincent C.S.
International Journal of Operations & Production Management v16n10 PP: 37
  1996
ISSN: 0144-3577 JRNL CODE: IJO
WORD COUNT: 7316

...TEXT: the sequencing decision to the shopfloor.

So, if the schedule is made at the resource **level** , the **production
schedule** contains a specific sequence. In this case, if the schedule is
carried out literally, no **separate** sequencing decisions have to be made.
However, if the schedule is made on the shopfloor **level** , all sequencing
decisions are left to the shopfloor.

The theoretical relation between planning, scheduling and...time a job is
completed at a machine, the shopfloor worker will choose the next **order**
according to the **priority** despatching rule. Also, if the shopfloor worker
decides to deviate from dispatching rules, this does...the system this can
be carried out very easily by the scheduler. The system uses **priority**
rules to schedule work **orders** according to due dates, which is easy to
understand by the scheduler. Furthermore, the scheduler...

11/3,K/2   (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

02493665 116358845
Value chain development An account of some implementation problems
Barker, R.C.
International Journal of Operations & Production Management v16n10 PP: 23
  1996
ISSN: 0144-3577 JRNL CODE: IJO
WORD COUNT: 5432

...TEXT: in-time (JIT) methods during this programme of re-engineering. For
example, material requirements planning (**MRP**) push type control systems
were removed completely and all material inputs were controlled by kanbans
or direct cell feeds using replenishment by observation. The complete
organization was also **divided** into cells with a mini factory approach to
control by cell teams with continuous improvement receiving high **levels**

of attention. Throughput time reduction in all **parts** of the business
became the main driver of restructuring during the years 1991-95. This...
paramount if remedial work is going to be effective and remove bottlenecks
and costs in **order** of **priority** . Yet as we have seen, even when this
took place at Dorman Smith obstacles still...

11/3,K/3   (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

02287701   93510720
Modeling the Supply Chain
Elmaghraby, Salah E
Engineering Economist v46n4 PP: 320-328 2001
ISSN: 0013-791X JRNL CODE: EEC
WORD COUNT: 3659

...TEXT: also linear. He fails to mention a third approach which is used
quite frequently, namely, **rank** the objectives in **priority order** ,
optimize relative to the first objective, then impose the value secured as
a constraint and...giving the mathematical form of the suggested analytical
models.

The last section of the book, **Part** 4, is entitled "The Future", and
contains only one chapter: "Organizational Adaptation to Optimization
Modeling Systems". The chapter may be divided into two **parts** . The first
deals with human resources and the second with IT. The discussion of human
...and as a result, "... new types of identities are emerging." As
examples, he cites "routers, **production schedulers** , inventory managers,
strategy analysts and their managers." The reader may wonder why the author
believes...
...you must do it yourself, painful as that may be. The author enumerates
some five **stages** of "supply chain study," with an optional sixth **stage** ,
and suggests the duration of each. These are: organize for the study,
collect data, construct...

...continue strategic scenario analysis, (with the adaptation to the
tactical planning as the sixth optional **stage**). The chapter terminates on
an optimistic note that the future shall see further growth of...

...new business processes based on using them to achieve integrated supply
chain management at all **levels** of planning, strategic, tactical and
operational. As a result, these companies will achieve considerable
competitive...

   11/3,K/4   (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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02244243   83155649
Information sharing in global supply chain systems
Shore, Barry
Journal of Global Information Technology Management v4n3 PP: 27-50 2001
ISSN: 1097-198X JRNL CODE: JGIT
WORD COUNT: 8955

...TEXT: the use of this technology has lowered data sharing costs.
(Angeles & Nath, 2000)

The third **stage** emphasizes a more integrative strategy. Rather than an IT
infrastructure comprised of independent applications and **separate**
databases to serve specific business processes, enterprise wide systems
integrate and coordinate IT operations utilizing...

...systems, characterized by Enterprise Resource Planning (ERP) systems,
are the outgrowth of Manufacturing Resource Planning (**MRP** II)

applications. But early ERP systems focused exclusively on the sharing of data internal to...

...that integrate suppliers and customers into the integrated database environment (Gable, 2001). This is a **stage** in which the limited focus of EDI is being subsumed in a much larger view of data transfer and data sharing (McKendrick, 2000). In the fourth **stage** , a supply chain is characterized by strategic supplier alliances with extensive two-way information flows...

...Further-more, data sharing extends to planning and control systems within supplier organizations. In this **stage** , the philosophy behind GIT/SCM is more than a data processing or management information system... the aggregate production plan, the raw materials requirements, the purchasing plan, and then to all **stages** in the manufacturing and distribution network. Technology at this **stage** may involve extended ERP systems, and web-based interfaces utilizing XML.

THE RESEARCH MODEL

An...to be unnecessary. Clients must approve all purchase orders. Three signatures are required for all **orders** over $10,000. Consolidation takes **precedence** over inventory carrying costs. In addition, it is common for paperwork to be delayed as...

 11/3,K/5   (Item 5 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)
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01907415   05-58407
The effect of just-in-time with customers on organizational design and performance
Claycomb, Cindy; Droge, Cornelia; Germain, Richard
International Journal of Logistics Management v10n1 PP: 37-58 1999
ISSN: 0957-4093 JRNL CODE: INLM
WORD COUNT: 11885

...TEXT: making authority across multiple domains. The three decentralization domains are: (1) scheduling decisions such as **priority** of **orders** and delivery dates to customers; (2) strategic decisions such as supplier selection, distribution service levels...logistics strategy integration.

Specialization

Specialization is the degree to which organizational tasks are subdivided into **separate** jobs [12]. For example, a highly specialized logistics function has a large number of specialists, such as plant facility designers, materials handling personnel, and **production schedulers** , who direct their efforts to narrowly defined sets of activities. O'Neal [42] found that...

...Furthermore, Frazier, Spekman, and O'Neal [50] stated that JIT exchanges require at least moderate **levels** of specialization. More specifically, Germain, Droge, and Daugherty [8] found that as firms increased JIT with customers, their organization structures became more specialized. Consequently, JIT with customers and the **level** of specialization of

indirect labor associated with the logistics function are expected to increase concurrently...

...JIT sellers in various activities increases and the nature of these activities changes when the **level** of JIT is high. For example, specialized staff may have to increase in numbers to...were used. It is likely that in more custom manufacturing environments, decisions regarding production scheduling, **priority** of **orders** , and **order** delivery dates are more effectively handled closer to the manufacturing processes. In terms of integration...first level supervisor

Appendix:

Decentralization: Scheduling
1. production scheduling

2. delivery dates to customers and **priority** of orders

Decentralization: Strategic

1. production volume

2. selecting suppliers

3. goods to be manufactured

4. the...

11/3,K/6   (Item 6 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)
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01678065 03-29055
Experiences of a small company in productivity improvements
Gunasekaran, A; Cecille, P
Production & Inventory Management Journal v39n2 PP: 49-54 Second Quarter 1998
ISSN: 0897-8336 JRNL CODE: PIM
WORD COUNT: 3812

...TEXT: product and price; while for the latter the profit the company makes is of utmost **importance** . Thus in **order** to satisfy both, the company needs to enhance productivity, with the objectives of improving delivery...

...The organization of the production department is shown in Figure 1.

The production department is **divided** into zones of autonomous production (ZAP) defined by the categories of product. The ZAP can be **divided** into various cells: customer cells like Honda / Rover cell, Landrover cell and R3 (for Rover...

...with customers consists of the following. First a customer asks for a number of specified **parts** at a specified week and its order planning covers the next 13 weeks. The logistics department then defines a master **schedule** for **production** planning which gives a production plan for each ZAP and cell. Sometimes the customer needs **parts** for a specific day and a

specific hour to reduce its work in process and to avoid shortage of **parts**
. So there should be a two-day stock in the stores to act as a...

...are sent directly to the customer. Therefore, we are only dealing with
the final assembly **stage** . The current layout is shown in Figure 2.

The factory has been facing the problem...

11/3,K/7   (Item 7 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01484075 01-35063
Planning and scheduling today's automotive enterprises
Gould, Lawrence
Automotive Manufacturing & Production v109n4 PP: 62-66 Apr 1997
ISSN: 1086-9298 JRNL CODE: PRD
WORD COUNT: 2199

...TEXT: in ERP and the production scheduling in MES. Source: Baan Company

Manufacturing planning evolved from **material   requirements   planning** (
MRP), a simplistic data-processing application that focuses on material
availability. **MRP** logic consists of two processes: **breaking   down**
customer orders into **component   parts** and simple math.

Next came manufacturing resource planning. MRP II added feedback loops to
materials...car parts can't necessarily be grouped together with family car
parts, and some customer **orders** have **priority** over others.

Consequently, the plans generated by ERP don't quite work on the production
...

11/3,K/8   (Item 8 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01342481 99-91877
A simulation study of FMS tool allocation procedures
Amoako-Gyampah, Kwasi; Meredith, Jack R
Journal of Manufacturing Systems v15n6 PP: 419-431 1996
ISSN: 0278-6125 JRNL CODE: JMY
WORD COUNT: 8720

...TEXT: research, a distinction is made between the different types of
unique tools required by a **part** type and the number of multiple copies
(duplicates) of that same tool type that are...

...tool magazine and therefore makes the tool magazine capacity more
constraining. For example, a particular **part** type **scheduled** for
production at a machine might need to be edged, grooved, and have a hole
drilled. These are considered three **separate** operations, even though they
all occur at the same machine. These three operations require different...

...needed for this operation. To summarize, the tool types then depend on
the type of **part** and the specific operations required, and the number of

duplicate tools (or multiple copies) depends on the processing requirements of the **part** type and the economic lives of the tool types required. So, even though a **part** might require only four different tools (tool types) for its operations, its total tool requirements...this study. Due date information will, however, be provided to enable readers to understand the **priority** used in determining which part **orders** should be input next during the simulation. The use of due date information in this...

11/3,K/9   (Item 9 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01163486 98-12881
Just-in-time schedules for the small make-to-order shop
Sinnamon, Gordon; Milner, Susan
Canadian Journal of Administrative Sciences v12n4 PP: 340-351 Dec 1995
ISSN: 0825-0383 JRNL CODE: CJA
WORD COUNT: 7425

...ABSTRACT: to achieve as balanced a workload as possible. An algorithm is given to determine a **production** **schedule** which balances the workload in a situation with unpredictable demand. The mathematical model of the scheduling problem is **divided** into 3 passes. The first pass provides a formula for determining ideal production **levels** in an environment of uneven, unpredictable demand. It is necessary to be able to respond...

...pass is concerned with the problem of deriving realistic production targets from the ideal production **levels** , which generally involve fractions of models. The third pass offers an algorithm for eliminating any...

...production targets. Eliminating these infeasibilities produces the real-world sequence which will best balance the **production** **schedule** of the plant.   ...
...TEXT: production targets. Eliminating these infeasibilities produces the real-world sequence which will best balance the **production** **schedule** of the plant. The mathematical model is demonstrated throughout the exposition by the use of...made. For example, it may be of value to have some simple scheme whereby the **importance** of the various **orders** (above and beyond due date **priority**) would be translated into values for the weights alpha sub 1,k , alpha sub 2...

11/3,K/10   (Item 10 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01138679 97-88073
Production control in the food processing industry: The need for flexibility in operations scheduling
Nakhla, Michel
International Journal of Operations & Production Management v15n8 PP: 73-88 1995
ISSN: 0144-3577 JRNL CODE: IJO
WORD COUNT: 6915

...TEXT: received, or else it is based on the calculation of a mean ratio

(annual tonnage **divided** by .52, i.e. the number of working weeks in the year) which is then...

...wastage with every flavour change, as well as a decline in productivity and in the **level** of activity (preparation time of a line between two products increasing from five to 20...specify start and finish dates for each of the operations. The second approach consists of **sorting** the **orders** according to **priority** drawn from a set of heuristics.

Methods of progressively placing "products" (earliest or latest sequencing ...
...and downstream margin.

This progressive placing of products in a sequence takes place after the **orders** have been **sorted** according to **priority** to minimize the number of back orders.

Methods of progressive placing operations (serial approach)

In...

...in which the different orders will be handled. We note that the objective of these **priority** rules is to define the **order** in which the batches are processed, so as to meet several objectives (e.g. minimizing...

...remaining margin ratio on number of remaining operations;

* early due date (EDD);

* combination of two **priority** rules: **order** of arrival of **orders** as long as the waiting time remains below a certain threshold, then shortest processing time...the phi-maximal subsets challenges the separation of preparation and scheduling. In fact giving an **order** **priority** on a line results above all from a technico-economic choice. In other words, the...

  11/3,K/11 **(Item 11 from file: 15)**
DIALOG(R)File   15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01053339 97-02733
George Leland Bach and the rebirth of graduate management education in the United States, 1945-1975
Gleeson, Robert E; Schlossman, Steven
Selections v11n3 PP: 8-10+ Spring 1995
ISSN: 0882-0228 JRNL CODE: SEL
WORD COUNT: 19839.

...TEXT: Unlike any generation of young economists before or since, Bach and his cohort experienced dizzying **levels** of control over the economy during the war. The unique vantage point afforded them by wartime authority made clear the chasm that **separated** university-based economics from the day-to-day realities of managing corporations and determining economic...

...economists who needed to administer wartime price controls, banking policies, investment plans, distribution systems, and **production schedules** .

Young economists like Bach came away from their wartime experiences
determined to bridge the gap...being learned in the rest of the first-year
curriculum, with repeated emphasis on the **importance** of **orderly**
problem-solving behavior.(35)

The ideal second-year MBA curriculum, Bach argued, would require students
...

   11/3,K/12   (Item 12 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

00956813 96-06206
Against decadence: The work of Robert A. Brady (1901-63)
Dowd, Douglas F
Journal of Economic Issues v28n4 PP: 1031-1061 Dec 1994
ISSN: 0021-3624 JRNL CODE: JEI
WORD COUNT: 10726

...TEXT: and rational guidance."

As Brady shows in great detail in his studies of particular industries (
Part 2 of Rationalization), it was first in Germany that "foresight" and
"plan" treated as one industry what elsewhere operated **separately** , as
regards location and **production** **schedules** --in mining, metallurgy, and
the engineering industries, for example--with the result of optimum
productive...on a political meaning, and thereby cause the role of the
government to grow in **importance** in a **sort** of geometric ratio [1943a,
5-7].

Those words were written in 1942, by which year...

   11/3,K/13   (Item 13 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

00956565 96-05958
Maintenance scheduling: Issues, results and research needs
Paz, Noemi M; Leigh, William
International Journal of Operations & Production Management v14n8 PP:
47-69 1994
ISSN: 0144-3577 JRNL CODE: IJO
WORD COUNT: 7651

...TEXT: system and not to another. The priority system ensures that the
most needed maintenance work **orders** are scheduled first. An adequate
priority system will have four to ten levels, with four levels being
common[2].

CLASSICAL SCHEDULING...order must be designed to be processed in operations
that are executed in a stated **precedence** **order** . However the maintenance
environment can have tasks that are processed according to worker
discretion or...task can be specified as subtasks.

Each subtask can be scheduled separately following a described **precedence**
 order or the entire task can be scheduled as a unit. Some jobs are

independent of...
...waiting time: Have the personnel arrive at the maintenance site when the
necessary tools and **parts** have arrived and when the machine is available.
A machine is available immediately after a breakdown occurs or when it is
scheduled for **release** to maintenance.

(10) Preventive maintenance policies can make use of idle time in the
production...schedule triggering event occurs. Only the known jobs are
placed on the list in a **prioritized** **order** . Their **order** in the list
may depend on any criterion, for example, processing time length, estimated
or...

...is called despatching.

Usually the list scheduling algorithm is enhanced by having the job list
ordered according to some external **priority** scheme or rule. Many
priority rules have been developed and studied. A compilation of over...

...rule results in a tie, then the next rule in the hierarchy is applied in
order to break the tie.

Priority rules can be classified into static versus dynamic rules and
local versus global rules. A...

 11/3,K/14   (Item 14 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00777167 94-26559
Production planning and scheduling for seasonal demand
Buxey, Geoff
International Journal of Operations & Production Management v13n7 PP:
4-21 1993
ISSN: 0144-3577 JRNL CODE: IJO
WORD COUNT: 8143

...TEXT: be resolved via ad hoc actions such as selective overtime, job
rerouting, and juggling with **order** **priorities** . However, the execution
phase must still cope with discrepancies. as variable factors come into
play...may be incorporated at the last minute. In all cases, the MPS
constitutes the initial **production** **schedule** . It specifies models and
batch quantities, is constructed largely from the bottom-up, and focuses...

...a rough indication of resources requirements. At the front end, the
weekly MPS may be **broken** **down** into a shift-based schedule, and modified
to accommodate lower- **level** constraints relating to individual batch sizes
and sequences, for **component** 's or ingredients. Under **MRP** (B, E, G, K,
L, P, R), or JIT (K, L) rapid materials throughput for all **stages** of
manufacture is a key objective.
Overall, there is an overwhelming. leaning towards the chase...few monthly
exceptions involving machine setups as long as two days. These weekly
figures are **broken** **down** afterwards into localized **production**
schedules . In most sections capacity is labour limited, but some
bottleneck machines, which also make appliance **parts** , run continuously. A
JIT programme is under way to improve materials flow.

When sales are...

11/3,K/15   (Item 15 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)

00739958   93-89179
Integrating MRPII and JIT: A management rather than a technical challenge
Sillince, J A A; Sykes, G M H
International Journal of Operations & Production Management v13n4 PP:
18-31 1993
ISSN: 0144-3577 JRNL CODE: IJO
WORD COUNT: 6573

...TEXT: tune the crude plan, and so on.

Two production management methods of current interest are **Material
Requirements Planning** (MRPII) and Just-in-Time (JIT). MRPII uses sales
forecasts to push orders on to the shopfloor, in a way which meets capacity
constraints. Products are broken into subassemblies and **parts** and the
materials requirements for each process of fabrication and processing are
planned. JIT is...

...a system as a philosophy, which aims to reduce waste by ensuring that:
material and **parts** are available only when they are required and not
before; quality is high; processing is...
...of batches of size one for which machine set-ups are quick; machines do
not **break   down** ; and so on. An important difference is that **MRP** (of
which MRPII represents a more sophisticated extension) is a computer-based
planning system, whereas...with priorities. Because the bill of materials
is flat for JIT there is no implicit **priority   ordering** . However, bills
can be "chained" in MRPII, allowing say, a stock item to have lower
priority than a customer **order** .

The conventional issue-receipt method of stock control is impractical for
unit batch sizes in...

...part of the factory, a module, or a factory within the factory, with its
own **order** book, **priority** rules, and plans to avoid bottlenecks 5!. For
"JIT push" the mainframe-based MRPII does...

11/3,K/16   (Item 16 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)

00739956   93-89177
**A recent development of the integrated manufacturing system: A hybrid of
MRP and JIT**
Lee, Choong Y
International Journal of Operations & Production Management v13n4 PP:
3-17 1993
ISSN: 0144-3577 JRNL CODE: IJO
WORD COUNT: 6615

...TEXT: well only when there is a uniform flow or balanced system. The
demand for a **part** , which is taken from MPS, triggers or pulls the
production of the last operation of...

...manufacturing by the master schedule. The critical planning interface between planning and execution is the **Material   Requirements   Planning** (**MRP**) function, which becomes the interface between planning phase and execution phase in a hybrid system...work is completed 9!.

BUFFER STOCKS

Buffer stocks see to ensure enough of the many **parts** required to keep assembly operations supplied and to process orders in time. They are usually controlled by classical reorder points methods which assume that the demands for individual **components** are independent of one another and of the demand for assembled items. It results in large inventories, because the assembly departments constantly interfere with manufacturing activities to get all the **parts** needed to complete an assembly. Computer-based **MRP** systems are usually used to solve these inventory problems. Even though buffer stocks still exist...

...up time, decreased design and manufacturing complexity, reduced kanbans, quality control at the source, machine **breakdown** elimination, improved layout, and increased deliveries 8!.

EXECUTION PHASE IN A HYBRID SYSTEM

The principle...

...eliminated with JIT, where visual inspection of WIP is much more effective. Variable routeings and **prioritized** work **orders** give way to fixed routeings and self-scheduling demand pull of materials 9!. The main
...
...the production process. The conventional shopfloor control system cannot be effective, if variable routeings, rescheduling, **order** changes, or **prioritized** work **orders** are allowed. The pull system which signals when processing is to begin on a job...

11/3,K/17   (Item 17 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)
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00716027 93-65248
The university in an MRP framework: The administration perspective
Pope, James A; Wermus, Marek
International   Journal   of   Operations   & Production Management   v13n2   PP: 36-46 1993
ISSN: 0144-3577   JRNL CODE: IJO
WORD COUNT: 4910

...TEXT: At most it may be broken down by undergraduate and graduate enrollments. At the RCCP **level** , we do not consider individual programmes, courses, classrooms and students; we are testing the feasibility of the MPS within the rough-cut constraints. A feasible MPS is an input to **MRP** and CRP which will lead to a semester schedule of classes.

MATERIAL REQUIREMENTS PLANNING (MRP...schedule is published so that students may begin registering (this means the release of the **orders** may **precede** by several months the beginning of the work on them). As the beginning of the...

...opinion survey administration, holidays, and so on.
(3) "Informing the production department of the relative **priorities** of
the **orders** released". Many of the **priority** decisions are made at the
time of schedule construction. The priorities are embedded in the...

...in the university which give the faculty members a great deal of
autonomy.

(5) "Revising **order** **priorities** on the basis of performance and changing
conditions". Because of the structure of academic schedules, there is
little the department chair or faculty member can do to revise **order**
priorities . Once a course is under way, it must continue until the end of
the term...

11/3,K/18   (Item 18 from file: 15)
DIALOG(R)File 15:ABI/Inform(R) ·
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00646016 92-60956
**An Examination of a Distribution Resource Planning Problem: DRP System
Nervousness**
Ho, Chrwan-jyh
Journal of Business Logistics v13n2 PP: 125-152 1992
ISSN: 0735-3766 JRNL CODE: JBL
WORD COUNT: 5040

...TEXT: the problem of system nervousness, there are managerial problems
associated with DRP systems. A typical **MRP** /DRP is ineffective in dealing
with "restrictions" or "exceptions" unless there is a built-in...

...in data integrity for DRP systems is the use of aggregate forecasts,
which are thereafter **broken** **down** into detailed forecasts. They
maintained that it is imperative for logistics planners to adjust detailed
...

...transportation costs, for example, could lead to ·increase in inventory
and decrease in customer service **level** . Therefore, in a comprehensive
logistics system with DRP, linkage across function boundaries is
encouraged, but...
...coordinated manufacturing information system, MRP generates information
used by these 'downstream' information systems--such as **order** **priorities**
, **order** release dates, and **order** quantities. In turn, MRP reacts to
information provided by these downstream systems. The completion, for...A
major function for any MRP system is to deal with the adjustment of open
order **priorities** . This capability, known as rescheduling, can affect the
open **order** **priority** in terms of rescheduling in, out, or canceling the
order. The problem, however, occurs when...

```
Set      Items    Description
S1      3851387   DIVID? OR DISAGGREGATE OR SEPARAT??? OR BREAKDOWN OR BREAK-
                  ()DOWN OR BREAKING()DOWN OR BROKEN()DOWN
S2       138103   (PRODUCT? OR RELEASE? OR COMPONENT OR SUPPLY)(1N)SCHEDULE?
                  OR MRP OR MATERIAL()REQUIREMENT?()PLANNING
S3     12045368   LEVEL? OR STAGE? ? OR CYCLE? ? OR PART OR PARTS OR PIECE? ?
                  OR COMPONENT? ?
S4      6360875   SORT??? OR ORDER??? OR RANK????
S5      1588392   PRIORIT? OR IMPORTANCE OR URGENCY OR PRECED?
S6         1799   S1(S)S2
S7          470   S6(S)S3
S8        30768   S4(5N)S5
S9           14   S6 AND S8
S10          13   RD (unique items)    Scanned Titles & abstract
S11          12   S10 NOT PY>2001
File   9:Business & Industry(R)  Jul/1994-2005/Aug 29
         (c) 2005  The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2005/Aug 30
         (c) 2005 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2005/Aug 30
         (c) 2005 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2005/Aug 30
         (c) 2005 The Gale Group
File  16:Gale Group PROMT(R) 1990-2005/Aug 30
         (c) 2005 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2005/Aug 30
         (c)2005 The Gale Group
```

11/3,K/1   (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer·DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

02207471   SUPPLIER NUMBER: 20964053   (USE FORMAT 7 OR 9 FOR FULL TEXT)
The MRPII March. (includes related article on product manufacturing and
delivery)(Kimball Electronics Group) (Company Operations)
Reinhart, Bruce
HP Professional, v12, n7, p16(3)
July, 1998
ISSN: 0896-145X   LANGUAGE: English   RECORD TYPE.: Fulltext; Abstract
WORD COUNT: 1675   LINE COUNT: 00140

...   entry, master scheduling and shipping. To bring a what-if planning
capability to the legacy **MRP** system, company developers created two
separate instances of the Copics system on the mainframe.
      TEST ANXIETY
      The second instance was for...

...a new MRPII system were already in the works, the constant pressure of
the change **order** situation increased the **urgency** of implementing a
successful solution. So, KEG designed an IT environment based on the
realization...

11/3,K/2   (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01520463   SUPPLIER NUMBER: 12231872   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Living in a material world. (Advanced Material Requirements Planning
Systems decision support software for computer-aided manufacturing)
Vacca, John R.
MIDRANGE Systems, v5, n11,, p34(2)
June 9, 1992
ISSN: 1041-8237   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1510   LINE COUNT: 00126

...   while providing the quickest customer response.
      AMRPSs integrate with and multiply the power of existing **MRP** II
systems. Most AMRPSs operate on the RS/6000 and HP 700 workstations. These
systems act as a client to the host-based **MRP** II system and compute the
detailed requirements plans for both materials and capacity in a matter of
seconds. Also, because AMRPSs utilize a **separate** processor, users can
access and manipulate the host **MRP** data quickly, leaving the company's
host free to process other business-critical applications.
      By...

...based on the system's ability to replicate the host processor's CRP, MPS
and **MRP** functions in a **separate** environment. On top of these baseline
functions, the system provides applications tuned to the company...

...plans (material, capacity or both). Applications like these are
impossible to run in a conventional **MRP** II environment where a single
requirements plan can take as much as 20 hours to...plan. "I was able to
analyze which items would be expended first and guarantee that **priority**
orders would be shipped on time," says Harmon. This information allowed

John Deere to avoid downtime...

11/3,K/3   (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

08195209   Supplier Number: 68744135   (USE FORMAT 7 FOR FULLTEXT)
THE 2000 GLOBAL RESEARCH TEAM.(Merrill Lynch analysts)
Institutional Investor, v34, n12, p111
Dec, 2000
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 13274

...   investors When we asked voters for the Global Research Team to rate
12 attributes in **order** of **importance** in assessing the worth of a firm's
coverage, industry expertise came in tops by...

...and one macro category (Convertibles) were eliminated.
        One additional note: To meet this magazine's **production   schedule**
, votes for analysts who changed firms after October 9 are credited to
their previous organization. We counted Credit Suisse First Boston and
Donaldson, Lufkin & Jenrette as **separate** entities because CSFB's
acquisition of DLJ was not finalized until November, after our polling...

11/3,K/4   (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

06982199   Supplier Number: 58322638   (USE FORMAT 7 FOR FULLTEXT)
Keep your promise.
Electronics Times, p56
Dec 13, 1999
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1173

...   These sit within an ERP system but replace the MRP element as the
planing engine.
        MRP is normally used to batch up customer orders to plan for
manufacturing efficiency. Instead APS breaks down each order into its
component parts and treats each element as a **separate** order.
        "APS provides a clear and accurate view of all elements on the shop
floor...

...Woodward. "Therefore, if shop floor machinery does break down, the
manufacturing manager can identify all **priority   orders** and transfer
them to the alternative production line. Not only that, but new ETAs could
...

11/3,K/5   (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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02316729   Supplier Number: 43033484   (USE FORMAT 7 FOR FULLTEXT)

Prospex for the future
Food Manufacture, p25
June, 1992
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1387

...   production staff - the scheduler. In the JIT world the scheduler is
required to constantly modify **production   schedules** to reflect changes
in customer demand profiles, plant **breakdown** and maintenance, material
availability, last-minute panic orders, promotional campaigns and so on.
    With so...manually with the scheduler using the system interactively,
or automatically based on rules and numerical **priorities** . If an **order**
cannot be scheduled it will continue to schedule subsequent orders
returning to the unsuccessful order...

  11/3,K/6   (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

14150770   SUPPLIER NUMBER: 80900681   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Modeling the Supply Chain. (Book Review). (book review)
Shapiro, Jeremy F.
Engineering Economist, 46, 4, 320(9)
Winter, 2001
DOCUMENT TYPE: Review   ISSN: 0013-791X   LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 3918   LINE COUNT: 00326

...   also linear. He fails to mention a third approach which is used
quite frequently, namely, **rank** the objectives in **priority   order** ,
optimize relative to the first objective, then impose the value secured as
a constraint and...and as a result, "... new types of identities are
emerging." As examples, he cites "routers, **production   scheduler** s,
inventory managers, strategy analysts

  11/3,K/7   (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

13685991   SUPPLIER NUMBER: 76896820   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Work and the accommodation of chronic illness: A re-examination of the
  health-labour supply relationship.(Statistical Data Included)
WILSON, SVEN E.
Applied Economics, 33, 9, 1139
July 15, 2001
DOCUMENT TYPE: Statistical Data Included   ISSN: 0003-6846
LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 10628   LINE COUNT: 01222

...   through spousal income).
    The variables of most significance are the chronic disease
variables, which are **sorted** by **order** of their **importance** at the
bottom of Tables 3 and 4. These tables also contain, for comparative
purposes...schooling is used as a proxy for market wage, and Equation 4 is
estimated separately **by** education level.

Variations in disease effects across educational levels are shown in
Table 7 for...

11/3,K/8   (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

13112708   SUPPLIER NUMBER: 69298837   (USE FORMAT 7 OR 9 FOR FULL TEXT)
THE 2000 GLOBAL RESEARCH TEAM.(analysts travel the globe)
Institutional Investor International Edition, 25, 12, 87
Dec, 2000
ISSN: 0192-5660   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 13364   LINE COUNT: 01104

...   investors. When we asked voters for the Global Research Team to
rate 12 attributes in **order** of **importance** in assessing the worth of a
firm's coverage, industry expertise came in tops by...to their previous
organization. We counted Credit Suisse First Boston and Donaldson, Lufkin &
Jenrette as **separate** entities because CSFB's acquisition of DLJ was not
finalized until November, after our polling...

11/3,K/9   (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

12569776   SUPPLIER NUMBER: 64719638   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Supply management in assembly systems with random yield and random demand.
GURNANI, HARESH; AKELLA, RAM; LEHOCZKY, JOHN
IIE Transactions, 32, 8, 701
August, 2000
ISSN: 0740-817X   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 11045   LINE COUNT: 00980

...   in some industries in the billions of dollars, the analysis in the
paper emphasizes the **importance** of coordinating component **ordering** and
production decisions in the presence of supply and demand uncertainty.
In the semiconductor and...policy with two heuristic policies.
Traditionally, component ordering and production (assembly) decisions have
been made **separately** . Using a **MRP** approach, the component requirements
are determined from the bill of materials, but the ordering across...

...is not coordinated.
In this case, the target level is determined for each component type
separately without considering the effect of uncertainty in supply of the
other component type. Using a **MRP** approach, for each component type, the
order size is determined using information about the final...

11/3,K/10   (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

09662640   SUPPLIER NUMBER: 19600742   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Planning and scheduling today's automotive enterprises.
Gould, Lawrence
Automotive Manufacturing & Production, v109, n4, p62(5)

April, 1997
LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2167   LINE COUNT: 00186

...   simplistic data-processing application that focuses on material
availability. MRP logic consists of two processes: **breaking   down**
customer orders into component parts and simple math.
     Next came manufacturing resource planning. MRP II...car parts can't
necessarily be grouped together with family car parts. and some customer
orders have **priority** over others.
   · Consequently. the plans generated by ERP don't quite work on the
production...

  11/3,K/11   (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

05926017   SUPPLIER NUMBER: 12960129   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Prospex of the future. (computer software) (Control)
Smith, Diane
Food Manufacture, v67, n6, p25(2)
June, 1992
ISSN: 0015-6477   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 1477   LINE COUNT: 00115

...   is required to constantly modify production schedules to reflect
changes in customer demand profiles, plant **breakdown** and maintenance,
material availability, last-minute panic orders, promotional campaigns and
so on.
     With so...manually with the scheduler using the system interactively,
or automatically based on rules and numerical **priorities** . If an **order**
cannot be scheduled it will continue to schedule subsequent orders
returning to the unsuccessful order...

  11/3,K/12   (Item 7 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

02028459   SUPPLIER NUMBER: 03281267   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Factory of the future. (special advertising supplement)
Industry Week, v221, p49(13)
May 28, 1984
CODEN: IWEEA   ISSN: 0039-0895   LANGUAGE: ENGLISH   RECORD TYPE:
   FULLTEXT
WORD COUNT: 5604   LINE COUNT: 00471

...   the sum of its parts.
     Flexible manufacturing systems involve the interfacing of several of
the **separate** basic functional elements on the factory floor.
Manufacturing resource planning (**MRP** II)--a derivative of material
planning and management functions.
     "The central nervous system of the...saying, "but it evolved into a
way to also keep due dates valid on released **orders** : **priority** planning.
Then we began to recognize that when we said 'MRP' we were really talking

```
Set      Items   Description
S1        3480   DIVID? OR DISAGGREGATE OR SEPARAT??? OR BREAKDOWN OR BREAK-
                    ()DOWN OR BREAKING()DOWN OR BROKEN()DOWN
S2         249   (PRODUCT? OR RELEASE? OR COMPONENT OR SUPPLY)(1N)SCHEDULE?
                    OR MRP OR MATERIAL()REQUIREMENT?()PLANNING
S3       19056   LEVEL? OR STAGE? ? OR CYCLE? ? OR PART OR PARTS OR PIECE? ?
                    OR COMPONENT? ?
S4        5620   SORT??? OR ORDER??? OR RANK????
S5        1580   PRIORIT? OR IMPORTANCE OR URGENCY OR PRECED?
S6           6   S1(S)S2
S7           8   S1 AND S2
S8           7   S7 AND S3
S9         202   S4(S)S5
S10          0   S7 AND S9
S11          5   RD S8 (unique items)
File 256:TecInfoSource 82-2005/Aug
         (c) 2005 Info.Sources Inc
```

11/3,K/1
DIALOG(R)File 256:TecInfoSource
(c) 2005 Info.Sources Inc. All rts. reserv.

00141248   DOCUMENT TYPE: Review

PRODUCT NAMES: SupplyWorksMax   (009091)

**TITLE: Suppliers Join the Team: SupplyWorks MAX helps automotive
supplier...**
AUTHOR: Kodama, David
SOURCE: Managing Automation,   v17 n8   p32(2) Aug 2002
ISSN: 0089-3805
HOMEPAGE: http://www.managingautomation.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20030130

...a collaborative supply chain management (SCM) system online that allows
the firm to economically manage **separate** connections with each customer
supplied. SupplyWorks MAX's applications help customers exchange
information and communicate...
...communicating efficiently with suppliers, streamlines and automates
procurement of direct materials and optimizes flow of **parts** and materials
into manufacturing organizations. Visibility to the supply chain is
provided, along with performance...

...expansion and increased supply chain complexity. Morse TEC now starts
its procurement processes by looking **MRP** demand from a J. D. Edwards &
Company enterprise resource planning (ERP) system, and by using...

11/3,K/2
DIALOG(R)File 256:TecInfoSource
(c) 2005 Info.Sources Inc. All rts. reserv.

00130243   DOCUMENT TYPE: Review

PRODUCT NAMES: ObjectSwitch   (712728)

TITLE: Kabira Automates API Generation
AUTHOR: Joukhadar, Kristina
SOURCE: Information Week,   v835 p71(1) Apr 30, 2001
ISSN: 8750-6874
HOMEPAGE: http://www.informationweek.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20021130   .

Kabira Technologies is **scheduled** to **release** two new software
components for its ObjectSwitch integration server and development ,
platform. The Business Accelerator **component** will let new services and

business processes be defined and modeled in the Unified Modeling Language
Activity Diagram to be fed into ObjectSwitch's Design Center, which
separates the business logic from the adaptor code. The Adaptor Factory
component will automatically create client and server adapters for the
ObjectSwitch server from any application or network equipment through
Component Object Model, CORBA, Java, SQL, or XML interfaces. Instead of
working with the more conventional...

11/3,K/3
DIALOG(R)File 256:TecInfoSource
(c) 2005 Info.Sources Inc. All rts. reserv.

00128508   DOCUMENT TYPE: Review

PRODUCT NAMES: Optiva 3.0   (773484)

TITLE: Bridging the Product Development Divide
AUTHOR: Gaeta, Julie
SOURCE: Customer Relationship Management,   v4 n11 pe12(1) Jan 2001
ISSN: 1523-1240
HOMEPAGE: http://www.crmmag.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010630

TITLE: Bridging the Product Development Divide

...is delivered. Optiva has not only a central repository for
information-sharing, but also has **components** that make the guideline and
restriction process easier and smoother, and also manage workflow, program
...

DESCRIPTORS: Enterprise Resource Planning; Manufacturing; Manufacturing
     Execution Systems; **Material   Requirements   Planning** ; Supply Chain
     Management

11/3,K/4
DIALOG(R)File 256:TecInfoSource
(c) 2005 Info.Sources Inc. All rts. reserv.

00122164   DOCUMENT TYPE: Review

PRODUCT NAMES: MANAGE 2000 (582557); UniData (401404)

TITLE: ERP Stokes Hearth's Success
AUTHOR: Quinn, Paul
SOURCE: ID Systems,   v19 n12 p37(6) Dec 1999
ISSN: 0892-676X
HOMEPAGE: http://www.idsystems.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20040130

...The same MANAGE 2000 is used at each site, but the software can run in **separate** databases with different software options. Variables include customers, products, businesses, dealer interactions, and distributor relationships...

...real-time. Hearth has also enhanced its resource planning abilities by using tools and the material requirements planning part of the system for forecasting, guiding the assembly process, and scheduling final products around raw...

11/3,K/5
DIALOG(R)File 256:TecInfoSource
(c) 2005 Info.Sources Inc. All rts. reserv.

00118235   DOCUMENT TYPE: Review

PRODUCT NAMES: Supply Chain Management   (833444)

TITLE: We Must Never Break the Chain
AUTHOR: Ritter, David
SOURCE: Intelligent Enterprise,   v2 n9   p68(3) Jun 22, 1999
ISSN: 1524-3621
HOMEPAGE: http://www.intelligententerprise.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20001230

...spot bidding in online auctions, full service procurement, and inventory management. The e-marketplace can **level** the playing field, and has the potential to allow all suppliers to compete for business...

...companies. Direct purchasing is the core of the supply chain, and direct materials can be **divided** into highly specific **components** , custom **parts** manufactured to specification, and commodity **parts** and materials. Supply chain automation employs technology to lower the number of, or eliminate altogether...

DESCRIPTORS: Business Planning; E-Commerce; Internet Marketing; **Material Requirements Planning** ; **Part** Ordering; Purchasing; Supply Chain Management

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Set      Items    Description
S1        124     AU=(HEGDE, S? OR HEGDE S?)
S2         81     AU=(MILNE, R? OR MILNE R?)
S3          7     AU=(ORZELL, R? OR ORZELL R?)
S4          2     AU=(PATI, M? OR PATI M?)
S5        128     AU=(PATIL, S? OR PATIL S?)
S6          2     S1 AND S2 AND S3 AND S4 AND S5
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Scanned Titles & abstract

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File 350:Derwent WPIX 1963-2005/UD,UM &UP=200555
         (c) 2005  Thomson Derwent
File 347:JAPIO Nov 1976-2005/Apr(Updated 050801)
         (c) 2005 JPO & JAPIO
File 344:Chinese Patents Abs Aug 1985-2005/May
         (c) 2005 European Patent Office
File 348:EUROPEAN PATENTS 1978-2005/Aug W03
         (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20050825,UT=20050818
         (c) 2005 WIPO/Univentio
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6/5/1   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

015405307   **Image available**
WPI Acc No: 2003-467448/200344
XRPX Acc No: N03-372005
  Production plan computation method for component part numbers in
  semiconductor manufacturing industry, involves calculating material
  requirement planning and best-can-do production plan for each
  manufacturing stage
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: **HEGDE S R ; MILNE R J ; ORZELL R A ; PATI M C ; PATIL S P**
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20030065415	A1	20030403	US 2001934662	A	20010822	200344	B
US 6701201	B2	20040302	US 2001934662	A	20010822	200417	

Priority Applications (No Type Date): US 2001934662 A 20010822
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030065415	A1		27	G06F-019/00	
US 6701201	B2			G06F-017/60	

Abstract (Basic): US 20030065415 A1
     NOVELTY - A material requirement planning (MRP) production plan and
  a best-can-do production plan, are calculated for each manufacturing
  stage of a bill of materials (BOM) using a heuristic or linear
  programming processing. Based on the best-can-do calculation, MRP
  production solution information is prepared and passed recursively
  forward to a next manufacturing stage.
     DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
  following:
     (1) components part number production plan computing system; and
     (2) machine readable medium containing components part number
  production plan program.
     USE - For computing production plan of component part numbers in
  semiconductor manufacturing industry.
     ADVANTAGE - Provides efficient allocation of limited manufacturing
  resources overtime in order to meet customer demand.
     DESCRIPTION OF DRAWING(S) - The figure shows the flowchart
  illustrating the component part number production plan computation
  method in semiconductor manufacturing industry.
     pp; 27 DwgNo 11/13
Title Terms: PRODUCE; PLAN; COMPUTATION; METHOD; COMPONENT; PART; NUMBER;
  SEMICONDUCTOR; MANUFACTURE; INDUSTRIAL; CALCULATE; MATERIAL; REQUIRE;
  PLAN; CAN; PRODUCE; PLAN; MANUFACTURE; STAGE
Derwent Class: T01; U11
International Patent Class (Main): G06F-017/60; G06F-019/00
File Segment: EPI

6/5/2   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

015250856   **Image available**
WPI Acc No: 2003-311782/200330
XRPX Acc No: N03-248236

Product supply schedule method in semiconductor industry, involves rationing available product supply corresponding to divided priority ranked product release schedule, and providing schedule for supplying product

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC   )
Inventor: **HEGDE S R ; MILNE R J ; ORZELL R A ; PATI M C ; PATIL S P**
Number of Countries: 001   Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020198757	A1	20021226	US 2001891850	A	20010626	200330	B

Priority Applications (No Type Date): US 2001891850 A 20010626
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020198757	A1		19	G06F-017/60	

Abstract (Basic): US 20020198757 A1
      NOVELTY - A priority ranked product release schedule is divided into certain level and is sorted in priority order based on business rules. A schedule for supplying product is provided by rationing the available product supply corresponding to divided schedules.
      DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:
      (1) product supply schedule optimizing method;
      (2) product supply schedule optimizing system; and
      (3) machine readable medium storing product supply schedule code.
      USE - For providing supply schedule for products such as semiconductor device in semiconductor industry, used for manufacturing electronic products such as personal computer, printer, CD player, etc.

      ADVANTAGE - Enables determining efficient allocation of capacity and product supply by rationing available product supply corresponding to specific schedule. Thus feasible schedule is provided for releasing product and shipments to specific location.
      DESCRIPTION OF DRAWING(S) - The figure shows the block diagram showing manufacturing information of semiconductor device.
      pp; 19 DwgNo 3/9
Title Terms: PRODUCT; SUPPLY; SCHEDULE; METHOD; SEMICONDUCTOR; INDUSTRIAL; RATION; AVAILABLE; PRODUCT; SUPPLY; CORRESPOND; DIVIDE; PRIORITY; RANK; PRODUCT; RELEASE; SCHEDULE; SCHEDULE; SUPPLY; PRODUCT
Derwent Class: T01
International Patent Class (Main): G06F-017/60
File Segment: EPI

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Set      Items    Description
S1        124     AU=(HEGDE, S? OR HEGDE S?)
S2         81     AU=(MILNE, R? OR MILNE R?)
S3          7     AU=(ORZELL, R? OR ORZELL R?)
S4          2     AU=(PATI, M? OR PATI M?)
S5        128     AU=(PATIL, S? OR PATIL S?)
S6          2     S1 AND S2 AND S3 AND S4 AND S5
S7        329     S1:S5
S8          6     S7 AND IC=G06F-017/60
S9          4     S8 NOT S4
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File 350:Derwent WPIX 1963-2005/UD,UM &UP=200555
        (c) 2005 Thomson Derwent
File 347:JAPIO Nov 1976-2005/Apr(Updated 050801)
        (c) 2005 JPO & JAPIO
File 344:Chinese Patents Abs Aug 1985-2005/May
        (c) 2005 European Patent Office
File 348:EUROPEAN PATENTS 1978-2005/Aug W03
        (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20050825,UT=20050818
        (c) 2005 WIPO/Univentio

9/5/1   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

014806061
WPI Acc No: 2002-626767/200267
Related WPI Acc No: 1999-244514; 1999-263525
XRPX Acc No: N02-495684
  **Internet services management for customer interactive trouble ticket
  maintenance system, has browser generating an object-oriented query for
  trouble ticket status based on search criteria and transaction server for
  query filters creation**
Patent Assignee: COGGER T J (COGG-I); KUNKEL I A (KUNK-I); MILLER D T
  (MILL-I); PATIL S P (PATI-I)
Inventor: COGGER T J; KUNKEL I A; MILLER D T; **PATIL S P**
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020087383	A1	20020704	US 9760655	A	19970926	200267	B
			US 98159403	A	19980924		

Priority Applications (No Type Date): US 9760655 P 19970926; US 98159403 A
  19980924
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020087383	A1		33	G06F-017/60	Provisional application US 9760655

Abstract (Basic): US 20020087383 A1
        NOVELTY - Trouble ticket management system includes a
  client/customer web browser application that generates an
  object-oriented query request for obtaining status of an existing
  trouble ticket based on customer-specified search criteria including
  down loaded trouble ticket response information containing trouble
  status information of existing trouble tickets in accordance with the
  request.
        DETAILED DESCRIPTION - A transaction server includes process for
  enabling creation of customer-specific trouble ticket query filters
  enabling future query requests having pre-determined search criteria,
  the query filters downloaded to the client web browser application for
  user selection prior to generating the request object.
        INDEPENDENT CLAIMS are also included for a method of remotely
  generating a trouble ticket for a network event at a customer
  workstation over the Internet.
        USE - Internet communications network services for customer
  interactive trouble reporting and monitoring in trouble ticket
  maintenance/management system, that enables a customer to generate a
  trouble ticket relating to a service provided.
        ADVANTAGE - Provides a system and method for allowing a customer to
  remotely access a service provider's trouble ticketing system. This
  remote access enables a customer to seamlessly open a trouble ticket
  and identify the status of all trouble tickets pertaining to his
  organization.
        Integrated interface for web-based customer care and trouble
  management
        pp; 33 DwgNo 0/11
Title Terms: SERVICE; MANAGEMENT; CUSTOMER; INTERACT; TROUBLE; TICKET;
  MAINTAIN; SYSTEM; GENERATE; OBJECT; ORIENT; QUERY; TROUBLE; TICKET;
  STATUS; BASED; SEARCH; CRITERIA; TRANSACTION; SERVE; QUERY; FILTER;
  CREATION

Derwent Class: T01; W01
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

  9/5/2   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005· Thomson Derwent. All rts. reserv.

014669255   **Image available**
WPI Acc No: 2002-489959/200252
Related WPI Acc No: 2002-392845; 2002-426756; 2003-102923; 2003-209187;
   2003-247127; 2003-265995; 2003-298669; 2003-401544; 2003-492116;
   2003-492140; 2003-863872; 2004-041065; 2004-803926; 2005-180188;
   2005-252932; 2005-403352
XRPX Acc No: N02-387342
   **Computer program product for gain adjustment while scanning biological
   material arrays, involves using portions of user selected gain value,
   based on threshold value**
Patent Assignee: AFFYMETRIX INC (AFFY-N); KAUSHIKKAR S V (KAUS-I); MCKENZIE
   E E (MCKE-I); STEPHENS J C (STEP-I); WEINER N K (WEIN-I)
Inventor: KAUSHIKKAR S V; MCKENZIE E E; **PATIL S S** ; STEPHENS J C; WEINER N
   K
Number of Countries: 023 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200235441	A2	20020502	WO 2001US26297	A	20010822	200252	B
US 20020024026	A1	20020228	US 2000226999	P	20000822	200252	
			US 2001286578	P	20010426		
			US 2001682074	A	20010717		
AU 200235118	A	20020506	AU 200235118	A	20010822	200257	
US 20020168094	A1	20021114	US 2000226999	P	20000822	200277	
			US 2001286578	P	20010426		
			US 2001682071	A	20010717		
JP 2004512533	W	20040422	WO 2001US26297	A	20010822	200428	
			JP 2002538352	A	20010822		
US 6789040	B2	20040907	US 2000226999	P	20000822	200459	
			US 2001286578	P	20010426		
			US 2001682074	A	20010717		

Priority Applications (No Type Date): US 2001682076 A 20010717; US
   2000226999 P 20000822; US 2001286578 P 20010426; US 2001682071 A 20010717
   ; US 2001682074 A 20010717
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200235441	A2	E	105	G06F-019/00	

   Designated States (National): AU CA JP US
   Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
   MC NL PT SE TR

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020024026	A1		25	G01V-008/00	Provisional application US 2000226999
					Provisional application US 2001286578
AU 200235118	A			G06F-019/00	Based on patent WO 200235441
US 20020168094	A1			G06K-009/00	Provisional application US 2000226999
					Provisional application US 2001286578
JP 2004512533	W		165	G01N-021/01	Based on patent WO 200235441
US 6789040	B2		·	G01C-017/00	Provisional application US 2000226999
					Provisional application US 2001286578

Abstract (Basic): WO 200235441 A2
        NOVELTY - A user interface (810A) enables the user to select a gain
    value. The gains of an emission detector and a variable gain element
    are adjusted based on portions of the user selected gain value, after
    comparing those portions with a threshold value.
        DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the
    following:
        (1) Gain adjustment system;
        (2) Gain adjustment method.
        USE - For scanning arrays of biological material like probe arrays.

        ADVANTAGE - The user involvement is reduced, since the scanner user
    is not required to provide information regarding locations of probes on
    the array's substrate.
        DESCRIPTION OF DRAWING(S) - The figures show functional block
    diagrams of a scanner control and analysis application.
        User interface (810A)
        pp; 105 DwgNo 8A, 8B/16
Title Terms: COMPUTER; PROGRAM; PRODUCT; GAIN; ADJUST; SCAN; BIOLOGICAL;
    MATERIAL; ARRAY; PORTION; USER; SELECT; GAIN; VALUE; BASED; THRESHOLD;
    VALUE
Derwent Class: S05; T01
International Patent Class (Main): G01C-017/00; G01N-021/01; G01V-008/00;
    G06F-019/00; G06K-009/00
International Patent Class (Additional): G01C-019/00; G01N-021/64;
    G01N-037/00; **G06F-017/60** ; H04N-001/04
File Segment: EPI

 9/5/3   (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

014572141   **Image available**
WPI Acc No: 2002-392845/200242
Related WPI Acc No: 2002-426756; 2002-489959; 2003-265995; 2003-492116;
    2004-803926; 2005-180188
XRPX Acc No: N02-307955
    **Image analyzing method for computer system, involves analyzing secondary
    image based on retrieved grid alignment data of primary image**
Patent Assignee: AFFYMETRIX INC (AFFY-N); KAUSHIKKAR S V (KAUS-I); PATIL S
    (PATI-I)
Inventor: KAUSHIKKAR S V; MCKENZIE E E; **PATIL S S** ; STEPHENS J C; WEINER N
    K; **PATIL S**
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020025082	A1	20020228	US 2000226999	P	20000822	200242	B
			US 2000242973	P	20001024		
			US 2001286578	P	20010426		
			US 2001682076	A	20010717		
JP 2004512533	W	20040422	WO 2001US26297	A	20010822	200428	
			JP 2002538352	A	20010822		

Priority Applications (No Type Date): US 2001682076 A 20010717; US
    2000226999 P 20000822; US 2000242973 P 20001024; US 2001286578 P 20010426
    ; US 2001682071 A 20010717; US 2001682074 A 20010717
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes

US 20020025082 A1   26 G06K-009/32   Provisional application US 2000226999

Provisional application US 2000242973
Provisional application US 2001286578
JP 2004512533 W   165 G01N-021/01   Based on patent WO 200235441

Abstract (Basic): US 20020025082 A1
        NOVELTY - A grid is aligned with a primary image, and a grid
    alignment data is generated based on the alignment of the grid and is
    stored in a memory. Grid alignment data is retrieved to analyze a
    secondary image.
        DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
    following:
        (a) Computer program product for image analyzing method;
        (b) Scanning system
        USE - For placing alignment grids on scanned images of biological
    materials in computer system.
        ADVANTAGE - The grid alignment need not be performed on images
    other than the primary image and need not be displayed for other
    images. Organizes, accesses and analyzes large amount of information
    collected by scanning microarrays. Assists a user to obtain and
    visualize the large amounts of information generated by scanners.
        DESCRIPTION OF DRAWING(S) - The figure shows the functional block
    diagram of scanner control and analysis application.
        pp; 26 DwgNo 8/12
Title Terms: IMAGE; METHOD; COMPUTER; SYSTEM; SECONDARY; IMAGE; BASED;
  RETRIEVAL; GRID; ALIGN; DATA; PRIMARY; IMAGE
Derwent Class: S05; T01
International Patent Class (Main): G01N-021/01; G06K-009/32
International Patent Class (Additional): G01N-021/64; G01N-037/00;
  G06F-017/60 ; H04N-001/04
File Segment: EPI

 9/5/4   (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

012438406   **Image available**
WPI Acc No: 1999-244514/199920
Related WPI Acc No: 1999-263525
XRPX Acc No: N99-181965
 Integrated interface for web-based customer care and trouble management
Patent Assignee: COGGER T J (COGG-I); KUNKEL I A (KUNK-I); MILLER D T
  (MILL-I); PATIL S P (PATI-I); MUNGUIA W J (MUNG-I); PFISTER R A (PFIS-I);
  SUSCHECK C A (SUSC-I); GOBIN P (GOBI-I); HALL H H (HALL-I); HAURYLUCK C R
  (HAUR-I); KANZE D R (KANZ-I); LIBURD S W (LIBU-I); SANDT K V (SAND-I);
  SWEI J H (SWEI-I); MCI WORLDCOM INC (MCIW-N); MCI COMMUNICATIONS CORP
  (MCIC-N); WORLDCOM INC (WORL-N)
Inventor: MUNGUIA W J; PFISTER R A; SUSCHECK C A; COGGER T J; KUNKEL I A;
  MILLER D T; **PATIL S P** ; GOBIN P; HALL H H; HAURYLUCK C R; KANZE D R;
  LIBURD S W; SANDT K V; SWEI J H; BLADOW C R; DEVINE C Y; SCHWARZ E;
  SHAMASH A; SHOULBERG R W; WOOD J A
Number of Countries: 025 Number of Patents: 008
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9915974	A1	19990401	WO 98US20138	A	19980925	199920	B
AU 9896672	A	19990412	AU 9896672	A	19980925	199934	
US 6032184	A	20000229	US 95581728	A	19951229	200018	

			US 9760655	P	19970926		
			US 98159701	A	19980924		
US 6115040	A	20000905	US 9760655	P	19970926	200044	
			US 98159515	A	19980924		
US 20010052013	A1	20011213	US 9760655	P	19970926	200204	
			US 98159513	A	19980924		
US 20020087383	A1	20020704	US 9760655	P	19970926	200267	
			US 98159403	A	19980924		
US 20040193512	A1	20040930	US 98159405	A	19980924	200465	N
			US 2004822509	A	20040412		
US 6859783	B2	20050222	US 95581728	A	19951229	200515	
			US 9760655	P	19970926		
			US 98159403	A	19980924		

Priority Applications (No Type Date): US 9760655 P 19970926; US 95581728 A
   19951229; US 98159701 A 19980924; US 98159515 A 19980924; US 98159513 A
   19980924; US 98159403 A 19980924; US 2004822509 A 20040412
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 9915974   A1 E 61 G06F-013/00
    Designated States (National): AU BR CA JP MX SG
    Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
MC NL PT SE
AU 9896672   A   Based on patent WO 9915974
US 6032184   A   G06F-017/60 CIP of application US 95581728
                                       Provisional application US 9760655
US 6115040   A   G06F-003/00 Provisional application US 9760655
US 20010052013 A1   G06F-015/173 Provisional application US 9760655

US 20020087383 A1   33 G06F-017/60 Provisional application US 9760655

US 20040193512 A1   G06F-017/60 Cont of application US 98159405
                                       Cont of patent US 6745229
US 6859783   B2   G06F-017/60 CIP of application US 95581728
                                       Provisional application US 9760655

Abstract (Basic): WO 9915974 A1
     NOVELTY - A first tier of software servers is resident on a
customer workstation (10) and provides customer access to the
enterprise system having one or more downloadable application objects
(11), back-plane server objects (12) and one or more presentation
server objects (13) with a browser (14). A second or middle tier (16)
is provided with secure web servers (24) and a back-end or third tier
(18) has applications directed to legacy back-end servers and the
workstation provides a platform-independent browser-based consistent
user interface
     DETAILED DESCRIPTION - An independent claim is included for a
method of remotely generating a trouble ticket for a network event
     USE - Interactive trouble reporting and monitoring in Internet
communications
     ADVANTAGE - Capable of customer opening and monitoring of trouble
tickets and identifying of status of all trouble tickets pertaining to
the organization
     DESCRIPTION OF DRAWING(S) - The drawing is a diagrammatic overview
of architecture framework of an enterprise network system
     Customer workstation (10)
     Downloadable application object (11)
     Back-plane server (12)
     Browser (14)
     Middle tier (16)

      Secure web server (24)
      Third tier (18)
      pp; 61 DwgNo 1/15
Title Terms: INTEGRATE; INTERFACE; WEB; BASED; CUSTOMER; CARE; TROUBLE;
  MANAGEMENT
Derwent Class: T01; W01
International Patent Class (Main): G06F-003/00; G06F-013/00; G06F-015/173;
  G06F-017/60
International Patent Class (Additional): G06F-015/16
File Segment: EPI

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Set      Items    Description
S1         766    AU=(HEGDE, S? OR HEGDE S?)
S2        2660    AU=(MILNE, R? OR MILNE R?)
S3           3    AU=(ORZELL, R? OR ORZELL R?)
S4           9    AU=(PATI, M? OR PATI M?)
S5        2702    AU=(PATIL, S? OR PATIL S?)
S6           0    S1 AND S2 AND S3 AND S4 AND S5
S7        6126    S1:S5
S8           2    S7 AND PRODUCTION()SCHEDUL?
S9           2    RD (unique items)
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File   2:INSPEC 1969-2005/Aug W3
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        (c) 2005 Elsevier Eng. Info. Inc.
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        (c) 2005 CSA.
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        (c) 2005 Inst for Sci Info
File   94:JICST-EPlus 1985-2005/Jul W1
        (c)2005 Japan Science and Tech Corp(JST)
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
        (c) 1998 Inst for Sci Info
File   15:ABI/Inform(R) 1971-2005/Aug 30
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File   20:Dialog Global Reporter 1997-2005/Aug 30
        (c) 2005 Dialog
File 610:Business Wire 1999-2005/Aug 30
        (c) 2005 Business Wire.
File 810:Business Wire 1986-1999/Feb 28
        (c) 1999 Business Wire
File 476:Financial Times Fulltext 1982-2005/Aug 30
        (c) 2005 Financial Times Ltd
File 613:PR Newswire 1999-2005/Aug 30
        (c) 2005 PR Newswire Association Inc
File 813:PR Newswire 1987-1999/Apr 30
        (c) 1999 PR Newswire Association Inc
File 634:San Jose Mercury Jun 1985-2005/Aug 29
        (c) 2005 San Jose Mercury News
File 624:McGraw-Hill Publications 1985-2005/Aug 29
        (c) 2005 McGraw-Hill Co. Inc
File   9:Business & Industry(R) Jul/1994-2005/Aug 29
        (c) 2005 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2005/Aug 30
        (c) 2005 The Gale Group

File 621:Gale Group New Prod.Annou.(R) 1985-2005/Aug 30
          (c) 2005 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2005/Aug 30
          (c) 2005 The Gale Group
File 16:Gale Group PROMT(R) 1990-2005/Aug 30
          (c) 2005 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
          (c) 1999 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2005/Aug 30
          (c)2005 The Gale Group
File 256:TecInfoSource 82-2005/Aug
          (c) 2005 Info.Sources Inc

9/5/1   (Item 1 from file: 2)
DIALOG(R)File   2:INSPEC
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

4546694   INSPEC Abstract Number: B9401-0140-012
   Title: A market-driven methodology for improving servicability through an integrated customer/supplier partnership (CSP)
   Author(s): Rothberg, S.; Hilmar, J.; **Milne, R.J.** ; Konopka, J.
   Author Affiliation: IBM East Fishkill, Hopewell Junction, NY, USA
   Conference Title: IEEE/SEMI Advanced Semiconductor Manufacturing Conference and Workshop. ASMC '92 Proceedings (Cat. No.92CH3182-3)   p.2
   Publisher: IEEE, New York, NY, USA
   Publication Date: 1992 Country of Publication: USA   v+232 pp.
   ISBN: 0 7803 0740 2
   U.S. Copyright Clearance Center Code: 0 7803 0740 2/92/$3.00
   Conference Sponsor: IEEE; Semicond. Equipment & Mater. Int
   Conference Date: 30 Sept.-1 Oct. 1992   Conference Location: Cambridge, MA, USA
   Language: English   Document Type: Conference Paper (PA)
   Treatment: General, Review (G)

   Abstract: Summary form only given. The customer/supply partnership (CSP), an innovative market-driven supply/commit process which integrates customer and supplier business operations, is discussed. CSP provides quick turn-around in a dynamic market, and produces accurate, detailed delivery projections which optimize customer **production schedules** and supplier servicability. CSP's all-encompassing approach to the supply/commit process resulted in systems integration, enhanced work-in-progress (WIP) prioritization, six-sigma defect reductions and significant cycle time reductions across process steps, resulting in a 60% reduction in the overall order/commit cycle. The business process can be credited with delivering 100% customer serviceability since its recent implementation. (0 Refs)
   Subfile: B
   Descriptors: marketing; production
   Identifiers: market-driven methodology; servicability; integrated customer/supplier partnership; business operations; CSP; dynamic market; delivery projections; customer **production schedules** ; supplier servicability; work-in-progress; six-sigma defect reductions; cycle time reductions
   Class Codes: B0140 (Administration and management); B0170 (Project and production engineering)

9/5/2   (Item 1 from file: 35)
DIALOG(R)File   35:Dissertation Abs Online
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918155 ORDER NO: AAD86-11463
DECISION SUPPORT SYSTEM FOR CAPACITY PLANNING AND OPERATIONAL DESIGN (PRODUCTION , SCHEDULING , MANAGEMENT)
   Author: **PATI, MAHESH CHANDRA**
   Degree: PH.D.
   Year: 1986
   Corporate Source/Institution: CASE WESTERN RESERVE UNIVERSITY (0042)
   Source: VOLUME 47/03-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
            PAGE 1252. 156 PAGES
   Descriptors: OPERATIONS RESEARCH
   Descriptor Codes: 0796

The purpose of this dissertation was to provide a decision support system to address the capacity planning and operational design issues of a multi-product, multi-family, multi-stage serial flow production line. The existing algorithms find **production schedules** either for a single product case or for a multi-product, single family manufacturing system of only one stage. The latter problem is an NP complete problem.

The model developed in this thesis is called the Manufacturing Analysis System (MAS). MAS determines a feasible schedule that will minimize the total setup and inventory holding costs which should be close to the optional schedule. The Extended Basic Period (EBP) approach is used to determine a feasible schedule. With this approach, product cycle lengths are expressed as integer multiples (cycle multipliers) of a reference cycle length, called the Rotational Cycle. The product of the least common multiplier of the cycle multipliers and the rotational cycle length is called the Horizon. Since each stage can have a different rotational cycle length and horizon length, the number of possible combinations for a multi-stage problem is infinite.

Properties of an optimal schedule were determined which showed that the horizons for each of the stages were equal. These properties also reduced the number of possible choices of schedule from an infinite set to a finite set. Further theoretical development reduced the maximum number of enumerations required per product from a polynomial function to a linear function in the number of stages. However, the theoretical work was developed in such a way as to recognize the realities of manufacturing environments.

A hierarchical formulation was developed which, along with the other theoretical work, made the model computationally feasible. This model was used to determine the schedule, after which a Closed Queue Network model analyzes the shop dynamics.

MAS was validated by comparing the results of a multi-product, single family and single stage problem against that of the existing algorithms designed specifically for the simpler problem. The solution from MAS was as good as that of the best of the other algorithms.

Set	Items	Description
S1	2046931	DIVID? OR DISAGGREGATE OR SEPARAT??? OR BREAKDOWN OR BREAK-()DOWN OR BREAKING()DOWN OR BROKEN()DOWN
S2	1538	(PRODUCT? OR RELEASE? OR COMPONENT OR SUPPLY)(1N)SCHEDULE? OR MRP OR MATERIAL()REQUIREMENT?()PLANNING
S3	7487939	LEVEL? OR STAGE? ? OR CYCLE? ? OR PART? ? OR PIECE? ? OR C-OMPONENT? ?
S4	754435	SORT??? OR ORDER??? OR RANK????
S5	135570	PRIORIT? OR IMPORTANCE OR URGENCY OR PRECED?
S6	109	S1 AND S2
S7	63	S6 AND S3
S8	22	S7 AND S4
S9	2	S8 AND S5

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200555
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File 344:Chinese Patents Abs Aug 1985-2005/May
        (c) 2005 European Patent Office

9/5/1   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015250856   **Image available**
WPI Acc No: 2003-311782/200330
XRPX Acc No: N03-248236
    Product   supply   schedule **method in semiconductor industry, involves**
  rationing available product supply corresponding to divided   priority
  ranked   product   release   schedule **, and providing schedule for**
  supplying product
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: HEGDE S R; MILNE R J; ORZELL R A; PATI M C; PATIL S P
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 20020198757 A1   20021226 US 2001891850   A   20010626 200330 B

Priority Applications (No Type Date): US 2001891850 A 20010626
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 20020198757 A1   19 G06F-017/60

Abstract (Basic): US 20020198757 A1
      NOVELTY – A **priority   ranked   product   release   schedule** is
  divided into certain **level** and is **sorted** in **priority   order**
  based on business rules. A schedule for supplying product is provided
  by rationing the available product supply corresponding to **divided**
  schedules.
      DETAILED DESCRIPTION – INDEPENDENT CLAIMS are included for the
  following:
      (1) **product   supply   schedule** optimizing method;
      (2) **product   supply   schedule** optimizing system; and
      (3) machine readable medium storing **product   supply   schedule**
  code.
      USE – For providing **supply   schedule** for **products** such as
  semiconductor device in semiconductor industry, used for manufacturing
  electronic products such as personal computer, printer, CD player, etc.

      ADVANTAGE – Enables determining efficient allocation of capacity
  and product supply by rationing available product supply corresponding
  to specific schedule. Thus feasible schedule is provided for releasing
  product and shipments to specific location.
      DESCRIPTION OF DRAWING(S) – The figure shows the block diagram
  showing manufacturing information of semiconductor device.
      pp; 19 DwgNo 3/9
Title Terms: PRODUCT; SUPPLY; SCHEDULE; METHOD; SEMICONDUCTOR; INDUSTRIAL;
  RATION; AVAILABLE; PRODUCT; SUPPLY; CORRESPOND; **DIVIDE** ; **PRIORITY** ;
  RANK ; PRODUCT; RELEASE; SCHEDULE; SCHEDULE; SUPPLY; PRODUCT
Derwent Class: T01
International Patent Class (Main): G06F-017/60
File Segment: EPI

9/5/2   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013093414   **Image available**
WPI Acc No: 2000-265286/200023
XRPX Acc No: N00-198607
    Schedule **data** production **system for production planning of industrial
  product manufacturing line,** divides **process sequence based on
  manufacturing** order **and condition data, which are assigned according to**
    priority
Patent Assignee: SONY CORP (SONY); WIN YG (WINW-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 2000071151 A   20000307 JP 98243728   A   1998082   200023 B

Priority Applications (No Type Date): JP 98243728 A 19980828
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 2000071151 A   13 B23Q-041/08

Abstract (Basic): JP 2000071151 A
      NOVELTY - A setting unit (2) maintains the **priority   level** of
  each process in the production facility. The process sequence is
  divided by a processor (3) based on the manufacturing **order** and
  production condition data. The **divided** processes are assigned
  according to **priority   level** . The number of display or print section
  of bar chart is varied based on display/printing intensities. DETAILED
  DESCRIPTION - The manufacturing **order** data comprising production
  condition number is produced. The condition data describing process
  conditions is stored in the memory (1).
      USE - For production planning of industrial product manufacturing
  line.
      ADVANTAGE - Prevents generation of mistake in the output chart, by
  eliminating variation in printing or display intensities. DESCRIPTION
  OF DRAWING(S) - The figure shows block diagram of the **schedule** data
  production system. (1) Memory; (2) Setting unit; (3) Processor.
      Dwg.1/10
Title Terms: SCHEDULE; DATA; PRODUCE; SYSTEM; PRODUCE; PLAN; INDUSTRIAL;
  PRODUCT; MANUFACTURE; LINE; **DIVIDE** ; PROCESS; SEQUENCE; BASED;
  MANUFACTURE; **ORDER** ; CONDITION; DATA; ASSIGN; ACCORD; **PRIORITY**
Derwent Class: P56; T01; T06
International Patent Class (Main): B23Q-041/08
International Patent Class (Additional): G05B-015/02; G06F-017/60
File Segment: EPI; EngPI